

## Mitofusin 1 Recombinant Protein | MFN1 recombinant protein

Recombinant Mitofusin 1 (MFN1)

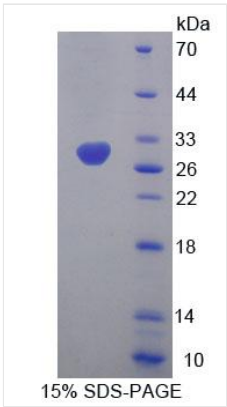
| CATALOG # | HOST   | REACTIVITY           | APPLICATIONS           |
|-----------|--------|----------------------|------------------------|
| AAA21035  | E.coli | Homo sapiens (Human) | SDS-Page, Western Blot |

### PRODUCT SYNONYMS

Mitofusin 1; Recombinant Mitofusin 1 (MFN1); Hfzo1; Hfzo2; Transmembrane GTPase MFN1; Fzo homolog; MFN1 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reactivity                                           | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity/Purification                                  | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format                                          | 100mMNaHCO <sub>3</sub> , 500mMNaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration                                        | Original Concentration: 600ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Applicable Applications for MFN1 recombinant protein | Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Application Notes                                    | (May be suitable for use in other assays to be determined by the end user.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Source                                               | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Residues                                             | Met1-Leu227                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tags                                                 | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Subcellular Location                                 | Cytoplasm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Traits                                               | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Predicted isoelectric point                          | 5.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Usage                                                | Reconstitute in ddH <sub>2</sub> O to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                              | <p><b>Storage:</b></p> <p>Avoid repeated freeze/thaw cycles.</p> <p>Store at 2-8 degree C for one month.</p> <p>Aliquot and store at -80 degree C for 12 months.</p> <p><b>Stability Test:</b></p> <p>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p> |



MAEPVSPLKH FVLAKKAITA IFDQLLEFVT EGSHFVEATY KNPELDRIAT  
EDDLVEMQGY KDKLSIIGEV LSRHRMKVAF FGRTSSGKSS VINAMLWDKV  
LPSGIGHITN CFLSVEGTDG DKAYLMTEGS DEKKS VKTVN QLAHALHMDK  
DLKAGCLVRV FWPKAKCALL RDDLVLDSP GTDVTTELDG WIDKFCLDAD  
VFVLVANSES TLMNTEKHFF HKVNERL

Sequence Information

SDS-PAGE

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 26251799                                                                                                           |
| NCBI GeneID                      | 55669                                                                                                              |
| Molecular Weight                 | Predicted Molecular Mass: 29.1kDa<br>Accurate Molecular Mass: 29kDa as determined by SDS-PAGE reducing conditions. |
| NCBI Official Full Name          | Mitofusin 1                                                                                                        |
| NCBI Official Synonym Full Names | mitofusin 1                                                                                                        |
| NCBI Official Symbol             | MFN1                                                                                                               |
| NCBI Official Synonym Symbols    | hfzo1; hfzo2                                                                                                       |
| NCBI Protein Information         | mitofusin-1                                                                                                        |
| UniProt Protein Name             | Mitofusin-1                                                                                                        |
| UniProt Gene Name                | MFN1                                                                                                               |
| UniProt Entry Name               | MFN1_HUMAN                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/mfn1-recombinant-protein-e-coli-positive-control-immunogen-sds-page-wb-western-blot/21035>