Neuron Derived Neurotrophic Factor Recombinant Protein | NDNF recombinant protein

Recombinant Neuron Derived Neurotrophic Factor (NDNF)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA150325	**E.coli**	**Homo sapiens (Human)**	**Western Blot, SDS-Page**

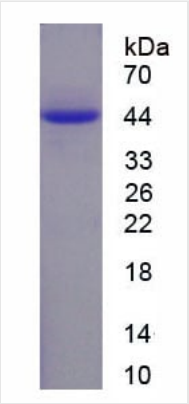
PRODUCT SYNONYMS

Neuron Derived Neurotrophic Factor; Recombinant Neuron Derived Neurotrophic Factor (NDNF); C4orf31; NDNF recombinant protein

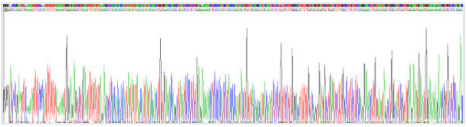
PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	>90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .
Concentration	Original Concentration: 120ug/mL (varies by lot)
Applicable Applications for NDNF recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Gln20~Phe331
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	4.9
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** 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.

IMAGES



SDS-PAGE
Figure. SDS-PAGE



Identification
Figure. Gene Sequencing (extract

```
                    Q KLPTRDEELF QMQIRDKAFF HDSSVIPDGA
EISSYLFRDT PKRYFFVVEE DNTPLSVTVT PCDAPLEWKL SLQELPEDRS
GEGSGDLEPL EQQKQQIINE EGTELFSYKG NDVEYFISSS SPSGLYQLDL
LSTEKDTHFK VYATTTPESD QPYPELPYDP RVDVTSLGRT TVTLAWKPSP
TASLLKQPIQ YCVVINKEHN FKSLCAVEAK LSADDAFMMA PKPGLDFSPF
DFAHFGFPSD NSGKERSFQA KPSPKLGRHV YSRPKVDIQK ICIGNKNIFT
VSDLKPDTQY YFDVFVVNIN SNMSTAYVGT F
```

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for NDNF recombinant protein	Cytokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	109715837
NCBI Accession #	NP_078850.3
NCBI GenBank Nucleotide #	NP_078850.3
UniProt Accession #	Q8TB73
Molecular Weight	Predicted Molecular Mass: 39.0kDa Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	protein NDNF
UniProt Protein Name	Protein NDNF
UniProt Gene Name	**NDNF**
UniProt Synonym Gene Names	C4orf31; UNQ2748/PRO6487
UniProt Entry Name	NDNF_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
Online datasheet: https://www.aaabiotech.com/ndnf-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/150325