

## Hemojuvelin (HFE2) Recombinant Protein | HFE2 recombinant protein

Recombinant Human Hemojuvelin (HFE2)

CATALOG #  
AAA116544

HOST  
E Coli or Yeast or Baculovirus or Mammalian Cell

### PRODUCT SYNONYMS

Hemojuvelin (HFE2); Recombinant Human Hemojuvelin (HFE2); HFE2 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                  |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                         |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                  |
| Sequence Positions      | 36-400, Full length protein                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence                | QCKILRCNAE YVSSLTSLRG GGSSGALRGG GGGGRGGGVG SGGLCRALRS YALCTRRTAR TCRGDLAFHS AVHGIEDLMI QHNCSRQGPT APPPPRGPAL PGAGSGLPAP DPCDYEGRFS RLHGRPPGFL HCASFGDPHV RSFHHHFHTC RVQGAWPLLD NDFLFVQATS SPMALGANAT ATRKLTIIFK NMQECIDQKV YQAEVDNLPV AFEDGSINGG DRPGGSSLSI QTANPGNHVE IQAAYIGTTI IIRQTAGQLS FSIKVAEDVA MAFSAEQDLQ LCVGGCPPSQ RLSRSENRNR GAITIDTARR LCKEGLPVED AYFHSCVFDV LISGDPNFTV AAQAALEDAR AFLPDLEKLH LFPSD |
| Sequence Length         | 365                                                                                                                                                                                                                                                                                                                                                                                                               |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.                                                                                                                                                                                                               |

### ADDITIONAL INFORMATION

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|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for HFE2 recombinant protein | The product of this gene is involved in iron metabolism. It may be a component of the signaling pathway which activates hepcidin or it may act as a modulator of hepcidin expression. It could also represent the cellular receptor for hepcidin. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. Defects in this gene are the cause of hemochromatosis type 2A, also called juvenile hemochromatosis (JH). JH is an early-onset autosomal recessive disorder due to severe iron overload resulting in hypogonadotrophic hypogonadism, hepatic fibrosis or cirrhosis and cardiomyopathy, occurring typically before age of 30. |
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### NCBI AND UNIPROT INFORMATION

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|---------------------------|------------------------------------------------|
| NCBI GI #                 | 942429604                                      |
| NCBI GeneID               | 148738                                         |
| NCBI Accession #          | NP_001303696.1                                 |
| NCBI GenBank Nucleotide # | NM_001316767.1                                 |
| UniProt Accession #       | Q6ZVN8; Q2PQ63; Q6IMF6; Q8NAH2; Q8WVJ5; B1ALI7 |
| Molecular Weight          | 21,463 Da                                      |
| NCBI Official Full Name   | hemojuvelin isoform c                          |

|                                  |                             |
|----------------------------------|-----------------------------|
| NCBI Official Synonym Full Names | hemojuvelin BMP co-receptor |
| NCBI Official Symbol             | HJV                         |
| NCBI Official Synonym Symbols    | JH; HFE2; RGMC; HFE2A       |
| NCBI Protein Information         | hemojuvelin                 |
| UniProt Protein Name             | Hemojuvelin                 |
| UniProt Gene Name                | <b>HFE2</b>                 |
| UniProt Synonym Gene Names       | HJV; RGMC                   |

**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.

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Online datasheet: <https://www.aaabiotech.com/hfe2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116544>