



Recombinant Human SEMA7A Protein Product Manual

1. Product Basic Information

Product No.: REP08193

Protein Name: Sema Sema K1 (SEMA7A)

Aliases: JMH; CD108; SEMAL; CDw108; PFIC11; SEMAK1; sema sema K1; H-Sema-H-SEMA-K1; semaphorin-semaphorin-7A; semaphorin-K1; JMH blood group antigen; John Milton Hagen blood group H-Sema K1; john-Milton-Hargen...

UniProt ID: O75326

UniProt Link: <https://www.uniprot.org/uniprotkb/O75326/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (45-648aa)

Molecular Weight: 70.4kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (45-648aa)

QGHLRSGPRIFAVWKGHVGGQDRVDFGQTEPHTVLFHEPGSSSVWVGGRGKVYLF
DFPEGKNASVRTVNIGSTKGSCLDKRDCENYITLLERRSEGLLACGTNARHPSCWN
LVNGTVVPLGEMRGYAPFSPDENSLVLFEGDEVYSTIRKQEYNGKIPRFRRIIRGESE
LYTSDTVMQNPQFIKATIVHQDQAYDDKIYYFFREDNPDKNPEAPLNVSVAQLCR
GDQGGESSLSVSKWNTFLKAMLVCSDAATNKNFNRLQDVLLPDPGQWRDTRV
YGVFSNPWNYSAVCVYSLGDIDKVFRTSSLKGYHSSLPNPRPGKCLPDQQPIPTET
FQVADRHPEVAQRVEPMGPKTLPFHASKYHYQKVAVHRMQASHGETFHVLYLTTD
RGTIHKVVEPEGEQEHSAFNIMEIQPFRRAAAIQTMSLDAERRKLYVSSQWEVSQV
PLDLCEVYGGGCHGCLMSRDPYCGWDQGRCSISYSSERSVLQSINPAEPHKECPN
PKPKDKAPLQKVSLAPNSRYLSCPMEISRATYSWRHKENVEQSCEPGHQSPNCIL
FIENLTAQQYGHYFCEAQEGSYFREAQHWQLLPEDGIMAEHLLGHACALA

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)



Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human SEMA7A full length of mature protein protein (45-648aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. SEMA7A, also known as JMH or CD108 or SEMAL, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.