

Recombinant Human SEMA3F Protein Product Manual

1. Product Basic Information

Product No.: REP08190

Protein Name: Semaphorin 3F (SEMA3F)

Aliases: SEMA4; SEMAK; SEMA-IV; semaphorin 3F; semaphorin IV; semaphorin-3F

UniProt ID: Q13275

UniProt Link: <https://www.uniprot.org/uniprotkb/Q13275/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Full Length of Mature Protein (19-785aa)

Molecular Weight: 90.5kDa

Protein Tag: N-terminal 6xHis-Myc-tagged

2. Amino Acid Sequence (19-785aa)

SFPTQDHLPATPRVRLSFKELKATGTAHFFNLLNTTDYRILLKDEDHDRMYVGSKD
YVLSLDLHDINREPLIIHWAASPQRIEECVLSGKDVNGECGNFVRLIQPWNRTHLYV
CGTGAYNPMCTYVNRGRRAQATPWTQTQAVRGRGSRATDGALRPMPTAPRQDYI
FYLEPERLESGKGKCPYDPKLDTASALINEELYAGVYIDFMGTDAAIFRTLKGQTAM
RTDQYNSRWLNDPSFIHAELIPDSAERNDDKLYFFFRERSAEAPQSPAVYARIGRIC
LNDDGGHCCLVNKWSTFLKARLVCSVPGEDGIETHFDELQDVFVQQTQDVRNPVIY
AVFTSSGSVFRGSAVYVSMADIRMFVNGPFAHKEGPNYQWMPFSGKMPYPRPG
TCPGGTFTPSMKSTKDYPDEVINFMRSHPLMYQAVYPLQRRPLVVRTGAPYRLTTI
AVDQVDAADGRYEVLFLGTDRGTQKQVIVLPKDDQELEELMLEEVEVFKDPAPVKT
MTISSKRQQLYVASAVGVTHLSLHRCQAYGAACADCCCLARDPYCAWDGQACSRYT
ASSKRRSRRQDVRHGNIPIRQCRGFNSNANKNAVESVQYGVAGSAAFLECQPRSP
QATVKWLFQRDPGDRRREIRAEDRFLRTEQGLLLRALQLSDRGLYSCTATENNFKH
VTRVQLHVLGRDAVHAALFPPLSMSAPPPGAGPPTPPYQELAQLLAQPEVGLIH
QYCQGYWRHVPPSPREAPGAPRSPEPQDQKKPRNRRHHPDPT

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



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glycerol content is available upon customer request (please specify requirements when placing orders).

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 SEMA3F full length of mature protein protein (19-785aa) expressed in Mammalian cell. The protein is with 6xHis-Myc tag at the N-terminus, which facilitates protein purification, detection and identification. SEMA3F, also known as SEMA4 or SEMAK or SEMA-IV, 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.