

Semaphorin 3F (SEMA3F) Recombinant Protein | SEMA3F recombinant protein

Recombinant Semaphorin 3F (SEMA3F)

CATALOG # AAA134526	HOST E Coli	APPLICATIONS Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Semaphorin 3F (SEMA3F); Recombinant Semaphorin 3F (SEMA3F); SEMA3F recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Sequence	The target protein is fused with N-terminal His-Tag, its sequence is listed below. VRNPVI YAVFTSSGSV FRGSAVCVYS MADIRMFVNG PFAHKEGPNY QWMPFSGKMP YPRPGTCPPG TFTPSMKSTK DYPDEVINFM RSHPLMYQAV YPLQRRPLVV RTGAPYRLTT IAVDQVDAAD GRYEVLFL
Sequence Length	785
Applicable Applications for SEMA3F recombinant protein	IP (CoImmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Val350~Leu486
Predicted Molecular Mass	16.6kDa
Accurate Molecular Mass	16kDa as determined by SDS-PAGE reducing conditions.
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Predicted Molecular Mass	16.6kDa
Tags	N-terminal His-Tag
Homology	Mouse 96%, rat 96%
Tissue Specificity	Breast, kidney, brain, lung, liver.
Subcellular Location	Secreted.
Traits	Freeze-dried powder
Preparation and 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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	188497703
NCBI GeneID	6405
NCBI Accession #	NP_004177.3
NCBI GenBank Nucleotide #	NM_004186.3
UniProt Accession #	Q13275; Q13274; Q13372; Q15704; Q6GTR4; C9JQ85
NCBI Official Full Name	semaphorin-3F
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F
NCBI Official Symbol	SEMA3F
NCBI Official Synonym Symbols	SEMA4; SEMAK; SEMA-IV
NCBI Protein Information	semaphorin-3F; sema IV; sema III/F; semaphorin IV; semaphorin III/F; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, 3F
UniProt Protein Name	Semaphorin-3F
UniProt Gene Name	SEMA3F
UniProt Synonym Gene Names	Sema IV
UniProt Entry Name	SEM3F_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.