

Semaphorin 7A Recombinant Protein | SEMA7A recombinant protein

Recombinant Semaphorin 7A (SEMA7A)

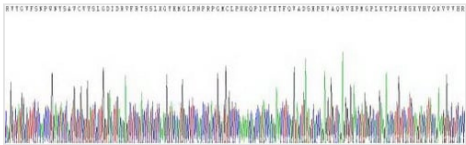
CATALOG # AAA144060	HOST Host: E ColiSource: Prokaryotic expression	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

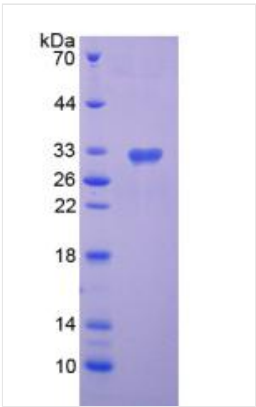
Semaphorin 7A; Recombinant Semaphorin 7A (SEMA7A); SEMA7A recombinant protein

PRODUCT SPECIFICATIONS

Host	Host: E Coli Source: Prokaryotic expression
Purity/Purification	>95%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Concentration	8.3 (varies by lot)
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandT7-ta g,itsseque nceisliste dbelow. MGSSHHHH HHSSGLVPRG SHMASMTGGQ QMGRGSEF-R VYGVFSNPWN YSAVCVYSLG DIDRVFRTSS LKG YHMG LPN PRPGMCLPKK QPIPTETFQV AD SHPEVAQR VEPMGPLKTP LFH SKYHYQK VV VHRMQASN GETFHVLYLT TDRGTIHKVV ESGDQDHSFV FNIMEIQPFH RAAAIQAISL DADRRKLYVT SQWEVSQVPL DMCEVYSGGC HGCLMSRDPY CGWDQDRCVS IYSSQRSVLQ SINPAEPHRE CPNPKPDEAP LQKVSLARNS RYYLTCPM div>
Sequence Length	652
Applicable Applications for SEMA7A recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	32.2kD
Accurate Molecular Mass (KD)	32kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Expression System	Prokaryotic expression
Tag	two N-terminal Tags, His-tag and T7-tag
Organism Species	Mus musculus (Mouse)
Fragment	Ala27~Met96
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
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 of the targetprotein. 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 andprecipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



Application Data



SDS-PAGE

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RVY GVFSNPWNYS AVCVYSLGDI DRVFTSSLK
GYHMLPNPR PGMCLPKKP IPTETFQVAD SHPEVAQRVE PMGPLKTPLF
HSKYHYQKVV VHRMQASNGE TFHVLVLTDD RGTIHKVVES GDQHSFVFN
IMEIQPFHRA AAIQAISLDA DRRKLYVTSQ WEVSQVPLDM CEVYSGGCHG
CLMSRDPYCG WDQDRCVSIY SSQRSVLQSI NPAEPHRECP NPKPDEAPLQ
KVSLARNSRY YLTCPM
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Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	225637520
NCBI GeneID	8482
NCBI Accession #	NP_001139501.1
NCBI GenBank Nucleotide #	NM_001146029.1
Molecular Weight	73,364 Da
NCBI Official Full Name	semaphorin-7A isoform 2 preproprotein
NCBI Official Synonym Full Names	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)
NCBI Official Symbol	SEMA7A
NCBI Official Synonym Symbols	JMH; CD108; SEMAL; CDw108; SEMAK1; H-Sema-L; H-SEMA-K1
NCBI Protein Information	semaphorin-7A
UniProt Protein Name	Semaphorin-7A
UniProt Gene Name	SEMA7A
UniProt Synonym Gene Names	CD108; SEMAL; Sema K1; Sema L
UniProt Entry Name	SEM7A_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.