

Semaphorin 3A (SEMA3A) Recombinant Protein | SEMA3A recombinant protein

Recombinant Semaphorin 3A (SEMA3A)

CATALOG # AAA134001	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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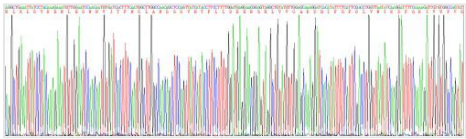
PRODUCT SYNONYMS

Semaphorin 3A (SEMA3A); Recombinant Semaphorin 3A (SEMA3A); SEMA3A recombinant protein

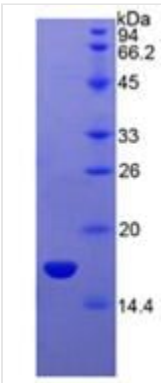
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with two N-terminal Tags, His-tag and T7-tag. The sequence is listed below. MGSSHHHHH HSSGLVPRGS HMASMTGGQQ MGRGSEF-RL KLSYKEMLES NNVITFNGLA NSSSYHTFLL DEERSRLYVG AKDHIFSFDL VNIKDFQKIV WPVSYTRRDE CKWAGKDIKE CANFIKVLKA YNQTHLYACG TGAFHPIC
Sequence Length	771
Applicable Applications for SEMA3A recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Arg31~Cys141 (Accession # Q14563) with two N-terminal Tags, His-tag and T7-tag
Subcellular Location	Secreted
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	8.9
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
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



Application Data



SDS-PAGE

RLKLSYKEML ESNNVITFNG

LANSSSYHTF LLDEERSRLY VGAKDHFSF DLVNIKDFQK IVWPSYTRR

DECKWAGKDI LKECANFIKV LKAYNQTHLY ACGTGAFHPI C

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174673
NCBI GeneID	10371
NCBI Accession #	NP_006071.1
NCBI GenBank Nucleotide #	NM_006080.2
UniProt Accession #	Q14563
Molecular Weight	16.7kDa
NCBI Official Full Name	semaphorin-3A
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A
NCBI Official Symbol	SEMA3A
NCBI Official Synonym Symbols	HH16; SemD; COLL1; SEMA1; SEMAD; SEMAL; coll-1; Hsema-I; SEMAIII; Hsema-III
NCBI Protein Information	semaphorin-3A; collapsin 1; semaphorin D; semaphorin L; semaphorin III
UniProt Protein Name	Semaphorin-3A
UniProt Gene Name	SEMA3A
UniProt Synonym Gene Names	SEMAD; Sema III
UniProt Entry Name	SEM3A_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.

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Online datasheet: <https://stage.aaabiotech.com/sema3a-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134001>