

Recombinant Human SEMA3E protein, His & T7-tagged

Cat. No. SEMA3E-1908H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SEMA3E aa. (Arg32~Phe516 (Accession # O15041)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg32~Phe516
Description	Semaphorins are a large family of conserved secreted and membrane associated proteins which possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Based on sequence and structural similarities, semaphorins are put into eight classes: invertebrates contain classes 1 and 2, viruses have class V, and vertebrates contain classes 3-7. Semaphorins serve as axon guidance ligands via multimeric receptor complexes, some (if not all) containing plexin proteins. This gene encodes a class 4 semaphorin. This gene encodes a class 3 semaphorin. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6.5

GENE INFORMATION

Gene Name	SEMA3E semaphorin 3E [Homo sapiens (human)]
Official Symbol	SEMA3E
Synonyms	SEMA3E; semaphorin 3E; SEMAH; coll-5; M-SEMAH; M-SemaK; semaphorin-3E; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E
Gene ID	9723
mRNA Refseq	NM_001178129.1

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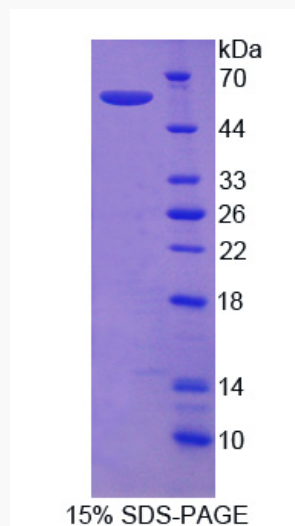
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Protein Refseq NP_001171600.1

UniProt ID O15041

SDS-PAGE



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