

Recombinant Human SEMA5B Protein, His-tagged

Cat. No. SEMA5B-2681H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SEMA5B Protein (Leu36-Pro602) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu36-Pro602
Description	This gene encodes a member of the semaphorin protein family which regulates axon growth during development of the nervous system. The encoded protein has a characteristic Sema domain near the N-terminus, through which semaphorins bind to plexin, and five thrombospondin type 1 repeats in the C-terminal region of the protein. The protein product may be cleaved and exist as a secreted molecule (PMID: 19463192). Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 66.2 kDa Accurate Molecular Mass: 66 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	SEMA5B sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B [Homo sapiens (human)]
Official Symbol	SEMA5B
Synonyms	SemG; SEMAG
Gene ID	54437
mRNA Refseq	NM_001256348
Protein Refseq	NP_001243277
MIM	609298

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UniProt ID

Q9P283

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