

Recombinant Human SEMA3B Protein, His-tagged

Cat. No. SEMA3B-2679H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SEMA3B Protein (Pro573-Trp749) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro573-Trp749
Description	The protein encoded by this gene belongs to the class-3 semaphorin/collapsin family, whose members function in growth cone guidance during neuronal development. This family member inhibits axonal extension and has been shown to act as a tumor suppressor by inducing apoptosis. Alternative splicing of this gene results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.5 kDa Accurate Molecular Mass: 25 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	SEMA3B sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B [Homo sapiens (human)]
Official Symbol	SEMA3B
Synonyms	SEMA3B; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B; SEMAA; semaphorin-3B; LUCA 1; SemA; sema5; semaV; sema V; sema A(V); semaphorin A; semaphorin V; semaphorin-V; SEMA5; LUCA-1; FLJ34863;
Gene ID	7869
mRNA Refseq	NM_001005914
Protein Refseq	NP_001005914

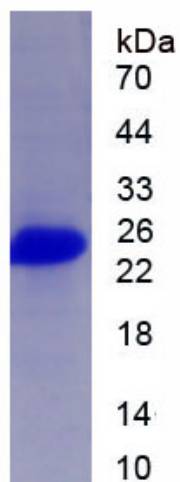
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MIM 601281

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