

Recombinant Human SEMA3C, His-tagged

Cat. No. SEMA3C-7777H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Semaphorin 3C is produced by our mammalian cells expression system in HEK293. The target protein is expressed with sequence (Gly21Ser738) of Human SEMA3C fused with a polyhistidine tag at the Cterminus.
Species	Human
Source	HEK293
Description	Semaphorin 3C is one of six Class 3 secreted semaphorins, which are potent chemorepellents, that play a role in axon and/or vascular guidance during development can be upregulated in the process of tumor progression. Semaphorin 3C consists of a 20 amino acids signal sequence, a N terminal Sema domain, a cysteine knot, a furinetype cleavage site, an Iglike domain, and a Cterminal basic domain. Semaphorin 3C expressed highly in the heart, colon, skeletal muscle, small intestine, testis, ovary and prostate, expressed lowly in the other organs, including the brain.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4
AA Sequence	GSSQPQARVY LTFDELRETK TSEYFSLSHH PLDYRILLMD EDQDRIYVGS KDHILSLNIN NISQEALSV FWPASTIKVE ECKMAGKDPT HGCGNFVRVI QTFNRTHLYV CGSGAFSPVC T YLNRGRRS EDQVFMIDSK CESGKGRCSE NPNVNTVSVM INEELFSGMY IDFMGTDAAI FR SLTKRNA VRTDQHNSKW LSEPMFVDAH VIPDGTDPND AKVYFFFKEK LTDNNRSTKQ IHS MIARIC

 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

	PNDTGGLRSL
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Notes	For research use only.
Storage	Lyophilized protein should be stored at less than 20°C. though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C. for 2-7 days.Aliquots of reconstituted samples are stable at less than 20°C. for 3 months.

GENE INFORMATION

Gene Name	SEMA3C sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C [Homo sapiens]
Official Symbol	SEMA3C
Synonyms	SEMA3C; SEMAE, SemE; sema E; semaphorin E
Gene ID	10512
mRNA Refseq	NM_006379.3
Protein Refseq	NP_006370.1
MIM	602645
UniProt ID	Q99985
Chromosome Location	7q21-q31

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Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem
Function	receptor activity; semaphorin receptor binding

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