

Active Recombinant Human SEMA5A, HlgG1 Fc-tagged

Cat. No. SMA5A-3512H Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human SEMA5A (AAI15697.1) (Glu23-Thr765) is fused to the N-terminus of the Fc region of human IgG1 was expressed in CHO cell
Species	Human
Source	CHO
ProteinLength	23-765 a.a.
Description	This gene belongs to the semaphorin gene family that encodes membrane proteins containing a semaphorin domain and several thrombospondin type-1 repeats. Members of this family are involved in axonal guidance during neural development. This gene has been implicated as an autism susceptibility gene
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit proliferation.
Molecular Mass	110KDa (monomer)
AA Sequence	Glu23-Thr765
Endotoxin	<0.06 eu/µg="" as="" determined="" by="" lal="" test="">
Purity	>98%, by SDS-PAGE under reducing conditions.

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Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100µg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.
GENE INFORMATION	
Gene Name	SEMA5A sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A [Homo sapiens]
Official Symbol	SEMA5A
Synonyms	SEMA5A; sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A; SEMAF; semaphorin-5A; semF; sema F; semaphorin F; semaphorin-F; FLJ12815;
Gene ID	9037
mRNA Refseq	NM_003966
Protein Refseq	NP_003957
MIM	609297
UniProt ID	Q13591
Chromosome Location	5p15.2

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Pathway

Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Other semaphorin interactions, organism-specific biosystem;
Semaphorin interactions, organism-specific biosystem;

Function

axon guidance receptor activity; receptor activity;

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