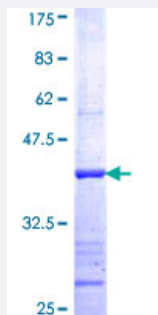


SEMA4A (Human) Recombinant Protein (Q01)

Catalog # H00064218-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SEMA4A partial ORF (NP_071762, 33 a.a. - 132 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GGGQGPMPRVRYAGDERRALSFFHQKGLQDFDTLLSGDGNTLYVGAREAILALDIQDPGVPRL KNMIPWPASDRKKSECAFKKKSNETQCFNFIRVLV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (83); Rat (83)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SEMA4A

Entrez GeneID	64218
GeneBank Accession#	NM_022367
Protein Accession#	NP_071762
Gene Name	SEMA4A
Gene Alias	CORD10, FLJ12287, RP35, SEMAB, SEMB
Gene Description	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A
Omim ID	607292 610282 610283
Gene Ontology	Hyperlink
Gene Summary	SEMA4A is a member of the semaphorin family of soluble and transmembrane proteins. Semaphorins are involved in guidance of axonal migration during neuronal development and in immune responses.[supplied by OMIM]
Other Designations	OTTHUMP00000015916 OTTHUMP00000015917 OTTHUMP00000015918 sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4A semaphorin B

Publication Reference

- [Sema4A responds to hypoxia and is involved in breast cancer progression.](#)

Liu X, Sun Y, Tian W, Wang F, Lv X, Wang M, Sun T, Zhang J, Wang L, Han M.

Biological & Pharmaceutical Bulletin 2018 Sep; [Epub].

Application: Func, Human, MCF-7, MDA-MB-231 cells

Pathway

- [Axon guidance](#)

Disease

- [Retinal Diseases](#)