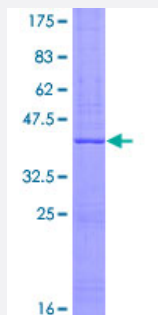


SEMA5A (Human) Recombinant Protein (Q01)

Catalog # H00009037-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SEMA5A partial ORF (NP_003957, 393 a.a. - 499 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PSFMEDNSRFSHVAVDVVQGREALVHIYLATDYGTIKKVRVPLNQTSSSCLEEIEILFPERRREPI RSLQILHSQSVLFVGLREHVVKIPLKRCQFYRTRSTCIGA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.51
Interspecies Antigen Sequence	Mouse (87); Rat (85)
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 — SEMA5A

Entrez GeneID	9037
GeneBank Accession#	NM_003966
Protein Accession#	NP_003957
Gene Name	SEMA5A
Gene Alias	FLJ12815, SEMAF, semF
Gene Description	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (T M) and short cytoplasmic domain, (semaphorin) 5A
Omim ID	609297
Gene Ontology	Hyperlink
Gene Summary	Members of the semaphorin protein family, such as SEMA5A, are involved in axonal guidance during neural development (Adams et al., 1996 [PubMed 8817451]).[supplied by OMIM]
Other Designations	OTTHUMP00000115584 sema domain, seven thrombospondin repeats (type 1 and type 1-like), t ransmembrane domain (TM) and short cytoplasmic domain, 5A semaphorin 5A semaphorin F

Pathway

- [Axon guidance](#)

Disease

- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Parkinson disease](#)
- [Tobacco Use Disorder](#)