

Recombinant Mouse Sema4f Protein, Myc/DDK-tagged

Cat. No. Sema4f-5761M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length sema domain, immunoglobulin domain (Ig), TM domain, and short cytoplasmic domain (Sema4f), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of semaphorin family of membrane-bound and secreted proteins that are involved in guiding axonal growth. The encoded protein is a transmembrane protein localized to the glutamatergic synapses via its association with a synapse-associated scaffolding protein. In oligodendrocyte precursor cells, the encoded protein contributes to the outward migration and differentiation. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	84.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Sema4f sema domain, immunoglobulin domain (Ig), TM domain, and short cytoplasmic domain [Mus musculus (house mouse)]

Official Symbol Sema4f

Synonyms Sema4f; sema domain, immunoglobulin domain (Ig), TM domain, and short cytoplasmic domain; Sema W; semaphorin-4F; semaphorin-W

Gene ID 20355

mRNA Refseq NM_011350

Protein Refseq NP_035480

UniProt ID Q9Z123

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