Active Recombinant Mouse Sema3c Protein, His&Fc tagged

Cat. No. Sema3c-903M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Semaphorin 3C (Gln24-Ser741, Arg548Ala, Arg552Ala) with Human IgG1 (Pro100-Lys330) Fc tag at C-terminus ant His tag at N-terminus was expressed in Spodoptera frugiperda, Sf 21 (baculovirus).
Species	Mouse
Source	Insect Cells
Description	Enables semaphorin receptor binding activity. Involved in several processes, including cardiac endothelial to mesenchymal transition; chordate embryonic development; and circulatory system development. Acts upstream of or within several processes, including blood vessel remodeling; dichotomous subdivision of terminal units involved in salivary gland branching; and neural crest cell migration. Located in extracellular space. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; heart; and respiratory system. Orthologous to human SEMA3C (semaphorin 3C).
Form	Disulfide-linked homodimer, Lyophilized from a 0.2 μm filtered solution in Tris, Citric Acid, NaCl and Tween 20.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of SVEC4-10 mouse vascular endothelial cells. The ED50 for this effect is 0.12-1.2 μg/mL.
Molecular Mass	108.9 kDa

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Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS.
N-terminal Sequence Analysis	Met

GENE INFORMATION

Gene Name	Sema3c sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C [Mus musculus (house mouse)]
Official Symbol	Sema3c
Synonyms	Sema3c; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C; SemE; Semae; 1110036B02Rik; semaphorin-3C; sema E; semaphorin E
Gene ID	20348
mRNA Refseq	NM_013657

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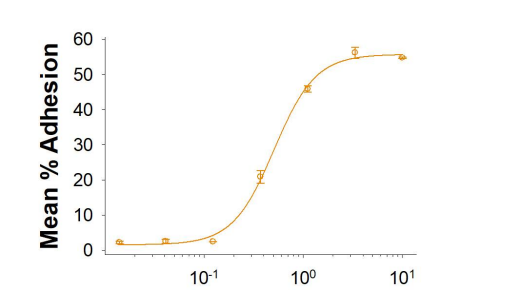
Protein Refseq	NP_038685
UniProt ID	Q62181
Bioactivity	

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