Active Recombinant Mouse Sema3c protein, His-tagged

Cat. No. Sema3c-902M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sema3c protein (Gln24-Ser741), fused to His-tag at N-terminus, was expressed in NS0 cells.
Species	Mouse
Source	Insect cells
ProteinLength	24-741 a.a.
Description	This gene encodes a secreted glycoprotein that belongs to the semaphorin class 3 family of neuronal guidance cues. The encoded protein contains an N-terminal sema domain, integrin and immunoglobulin-like domains, and a C-terminal basic domain. Homodimerization and proteolytic cleavage of the C-terminal propeptide are necessary for the function of the encoded protein.
Form	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
Endotoxin	<0.10 EU per 1 μg of the protein by the LAL method

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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
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	Sema3c
Official Symbol	Sema3c
Synonyms	SemE; Semae; 1110036B02Rik
Gene ID	20348
mRNA Refseq	NM_013657.5
Protein Refseq	NP_038685.3
UniProt ID	Q62181
Bioactivity of Sema3c-902M	Immobilized Recombinant Mouse Semaphorin 3C Fc Chimera (Truncated) supports the adhesion of SVEC4-10 mouse vascular endothelial cells.The ED50 for this effect

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