Recombinant Mouse Semaphorin-4C/SEMA4C Protein (Fc Tag)

Catalog No. PKSM041138

Note: Centrifuge before opening to ensure complete recovery of vial contents.

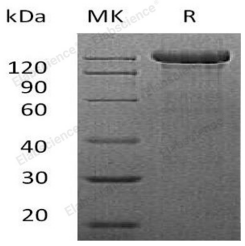
Description

Synonyms	Semaphorin-4C;Semaphorin I;S4c;Semacl1;Semai;Sema I;Semaphorin-C-like 1;M-Sema F;Sema4c
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Ala21-Gly664
Accession	Q64151
Calculated Molecular Weight	99.3 kDa
Observed molecular weight	115-125 kDa
Tag	C-Fc
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Semaphorin-4C is a protein which belongs to the semaphorin family, contains 1 Ig-like C2-type domain, 1 PSI domain, 1

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Sema domain. As cell surface receptor for PLXNB2, it plays an important role in cell-cell signaling. PLXNB2 binding promotes downstream activation of RHOA and phosphorylation of ERBB2 at 'Tyr-1248'. It required for normal brain development, axon guidance and cell migration, Probable signaling receptor which may play a role in myogenic differentiation through activation of the stress-activated MAPK cascade.

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