

Active Recombinant Mouse Slit3 Protein, His-tagged

Cat. No. Slit3-123M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Slit3 Protein (Cys34-Val1116), with a C-terminal 6-His tag was expressed in Mouse myeloma cell line.
Species	Mouse
Source	NS0
ProteinLength	34-1116 a.a.
Description	Predicted to enable Roundabout binding activity and heparin binding activity. Involved in aortic valve morphogenesis; atrioventricular valve morphogenesis; and ventricular septum morphogenesis. Acts upstream of or within several processes, including axon guidance; negative regulation of cell population proliferation; and negative regulation of gene expression. Located in extracellular space. Is expressed in several structures, including alimentary system; branchial arch; central nervous system; heart; and sensory organ. Used to study congenital diaphragmatic hernia. Orthologous to human SLIT3 (slit guidance ligand 3).
Bio-activity	Measured by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons. Recombinant Mouse Slit3, immobilized at 2.5-5 µg/mL on a 96-well plate, is able to significantly enhance neurite outgrowth.
Molecular Mass	Predicted Molecular Mass: 122 kDa SDS-PAGE: 121-153 kDa, reducing conditions

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N-terminal Sequence Analysis	Cys34
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 90% by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 μm filtered solution in Sodium Acetate, NaCl and Ethylene Glycol.
Shipping	The product is shipped with dry ice or equivalent.

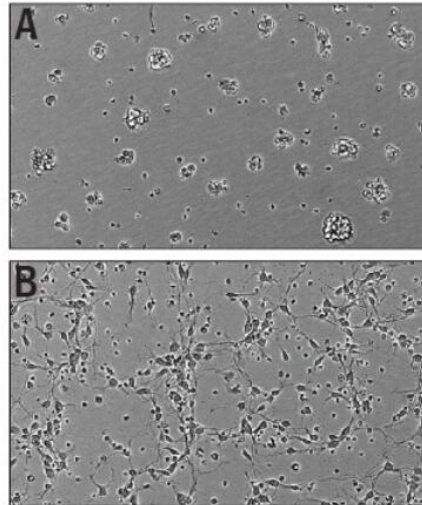
GENE INFORMATION

Gene Name	Slit3 slit guidance ligand 3 [Mus musculus (house mouse)]
Official Symbol	Slit3
Synonyms	Slit3; slit guidance ligand 3; Slit2; Slit1; b2b2362.1Clo; slit homolog 3 protein; slit-3
Gene ID	20564
mRNA Refseq	NM_011412
Protein Refseq	NP_035542
UniProt ID	Q9WVB4

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Bio-activity

Recombinant Mouse Slit3 Induces Cortical Neurite Outgrowth. A) Untreated E16-E18 embryonic rat cortical neurons. B) Neurite outgrowth in E16-E18 embryonic rat cortical neurons treated with 5 µg/mL of Recombinant Mouse Slit3.

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