

Recombinant Mouse Unc5b Protein, MYC/DDK-tagged

Cat. No. Unc5b-330M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse unc-5 homolog B (<i>C. elegans</i>) (cDNA clone MGC:66787 IMAGE:6417563), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Receptor for netrin required for axon guidance. Mediates axon repulsion of neuronal growth cones in the developing nervous system upon ligand binding. Axon repulsion in growth cones may be caused by its association with DCC that may trigger signaling for repulsion. Functions as netrin receptor that negatively regulates vascular branching during angiogenesis. Mediates retraction of tip cell filopodia on endothelial growth cones in response to netrin. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand. Mediates apoptosis by activating DAPK1. In the absence of NTN1, activates DAPK1 by reducing its autoinhibitory phosphorylation at Ser-308 thereby increasing its catalytic activity.
Molecular Mass	134.6 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.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Unc5b unc-5 netrin receptor B [Mus musculus (house mouse)]
Official Symbol	Unc5b
Synonyms	Unc5b; unc-5 netrin receptor B; Unc5h2; A630020F16; D10Bwg0792e; 6330415E02Rik; netrin receptor UNC5B; protein unc-5 homolog 2; protein unc-5 homolog B; unc5 homolog 2
Gene ID	107449
mRNA Refseq	NM_029770
Protein Refseq	NP_084046
UniProt ID	Q8K1S3

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