

Recombinant Mouse Unc5c Protein, Myc/DDK-tagged

Cat. No. Unc5c-6839M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length unc-5 netrin receptor C (Unc5c), 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. NTN1/Netrin-1 binding might cause dissociation of UNC5C from polymerized TUBB3 in microtubules and thereby lead to increased microtubule dynamics and axon repulsion. Axon repulsion in growth cones may also be caused by its association with DCC that may trigger signaling for repulsion. Might also collaborate with DSCAM in NTN1-mediated axon repulsion independently of DCC. Also involved in corticospinal tract axon guidance independently of DCC. Involved in dorsal root ganglion axon projection towards the spinal cord. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand.
Molecular Mass	103.5 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 µg/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	Unc5c unc-5 netrin receptor C [Mus musculus (house mouse)]
Official Symbol	Unc5c
Synonyms	UNC5C; unc-5 homolog C (C. elegans); netrin receptor UNC5C; unc5 homolog 3; UNC-5 homolog 3; protein unc-5 homolog 3; protein unc-5 homolog C; rostral cerebellar malformation protein; rcm; Unc5h3; AI047720; 6030473H24; B130051O18Rik
Gene ID	22253
mRNA Refseq	NM_009472
Protein Refseq	NP_033498
UniProt ID	O08747