

Product datasheet for TP527393

Unc5c (NM_009472) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse unc-5 netrin receptor C (Unc5c), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227393 representing NM_009472 Red =Cloning site Green =Tags(s)

MRKGLRATAARCGGLGLGYLLQMLVLPALALLSASGTGSAAQDDEFFHELPETFPSPDPPEPLPHFLIEPEE
AYIVKNKPVNLYCKASPATQIYFKCNSEVWHQKDHVDERVDETSGLIVREVSIEISRQQVEELFGPEDY
WCQCVAWSSAGTTKSRKAYVRIAYLRKTFEQEPLGKEVSLEQEVLLQCRPPEGIPVAEVEWLKNEDIIDP
AEDRNFYITIDHNLIKQARLSDTANYTCVAKNIVAKRKSTTATVIVYVNGGWSTWTEWSVCNSRCGRGY
QKRTRTCTNPAPLNGGAFCEGQSVQKIACTTLCVPDGRWTSWSKWSTCGTECTHWRRRECTAPAPKNGGK
DCDGLVLQSKNCTDGLCMQAAPDSDVALYGVIAVTVCLAITVVVALFVYRKNHRDFESDIIDSSALN
GGFQPVNIKAARQDLLAVPPDLTSAAMYRGPVYALHDVSDKIPMTNSPILDPLPNLKIKVYNSSGAVTP
QDDLAEFSSKLSPQMTQSLENEALNLKNQSLARQTDPSCTAFGTFNLSGGHLIIPNSGVSLIPAGAIP
QGRVYEMYVTVHRKENMRPPMEDSQTLLTPVWSCGPPGALLTRPVILTLHHCADPSTEDWIKLKNQAVQ
GQWEDVVVGEENFTTPCYIQLDAEACHILTENLSTYALVGQSTTKAAAKRLKLAIFGPLCCSSLEYSIR
VYCLDDTQDALKEVLQLERQMGGQLLEEKALHFKGSIHNLRLSIHDAHSLWKSLLAKYQEIPFYHIW
SGSQRNLHCTFTLERLSLNTVELVCKLCVRQVEGEGQIFQLNCTVSEPTGIDLPLLDPASTITVTGPS
AFSIPPIRQKLCSSLDAPQTRGHDWRMLAHKLNLDRLNYFATKSSPTGVILDLWEAQNFDPGNLSMLA
AVLEEMGRHETVVSAAEGQY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	103.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_033498
Locus ID:	22253
UniProt ID:	Q08747
RefSeq Size:	9296
Cytogenetics:	3 65.57 cM
RefSeq ORF:	2793
Synonyms:	B130051O18Rik; rcm; Unc5h3
Summary:	Receptor for netrin required for axon guidance (PubMed:22685302, PubMed:10399920). Mediates axon repulsion of neuronal growth cones in the developing nervous system upon ligand binding (PubMed:10399920, PubMed:22685302). NTN1/Netrin-1 binding might cause dissociation of UNC5C from polymerized TUBB3 in microtubules and thereby lead to increased microtubule dynamics and axon repulsion (PubMed:28483977). Axon repulsion in growth cones may also be caused by its association with DCC that may trigger signaling for repulsion (PubMed:10399920). Might also collaborate with DSCAM in NTN1-mediated axon repulsion independently of DCC (PubMed:22685302). Also involved in corticospinal tract axon guidance independently of DCC (PubMed:9126743, PubMed:9389662, PubMed:12451134). Involved in dorsal root ganglion axon projection towards the spinal cord (By similarity). It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand (By similarity).[UniProtKB/Swiss-Prot Function]