

Product datasheet for TP511242

Unc5b (BC057560) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of 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, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211242 representing BC057560 Red =Cloning site Green =Tags(s)
	<p>MRARSGVRSALLLALLLCWDPTPSLAGVDSAGQVLPDSYPSAPAEQLPYFLLPQDAYIVKNKPVELHCR AFPATQIYFKCNGEWSQNDHVTQESLDEATGLRVREVQIEVSRQVVEELFGLLEDYWCQCVAWSSSGTTK SRRAYIRIAYLRKNFDQEPLAKEVPLDHEVLLQCRPPEGVPVAEVEWLKNEDVIDPAQDTNFLTIDHNL IIRQARLSDTANYTCVAKNIVAKRRSTTATVIVYVNGGWSSWAIEWSPCSNRCGRGWQKRTRTCTNPAPLN GGAFCEGQAFQKTACTIONCPVDGAWTEWSKWSACSTECAHWRSRECMAPPQNGGRDCSGTLLDSKNCTD GLCVLTLETSGDVALYAGLVVAVFVVAVLMAVGIVYRRNCRDFDITDSSAALTGGFHPVNFKTARP NNPQLLHPSAPPDLTASAGIYRGPVYALQDSADKIPMTNSPLLDPLPSLKIKVYNSSTIGSGSGLADGAD LLGVLPPGTYPGDFSRDTHFLHLRSASLGSQHLLGLPRDPSSVSGTFGLGGRSLPPTGTVSLLVPNGA IPQGFYDLYLHINKAESTLPLSEGSQTVLSPSVTCGPTGLLLCRPVLTVPHCAEVIAGDWIFQLKTQA HQGHWEVWLDEETLNTPCYCQLEAKSCHILLDQLGTYVFMGESYSRSVAVKRLQLAIFAPALCTSLEYS LRVYCLEDTPVALKEVLELERTLGGYLVVEPKPLLKDSYHNLRLSLHDIPHAWRSKLLAKYQEIPFYH VWNGSQRALHCTFTLERHSLASTEFTCKVCVRQVEGEGQIFQLHTTLAETPAGSLDALCSAPGNAITTLQ GPYAFKIPLSIRQKICSSLDAPNSRGNDWRLLAQKLSMDRYLNYFATKASPTGVILDLWEARQQDDGDLN SLASALEEMGKSEMLVAMATDGDC</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	134.6 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.
Locus ID:	107449
UniProt ID:	Q8K1S3
RefSeq Size:	3672
Cytogenetics:	10 31.52 cM
RefSeq ORF:	2802
Synonyms:	6330415E02Rik; A630020F16; D10Bwg0792e; Unc5h2
Summary:	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 (By similarity). Functions as netrin receptor that negatively regulates vascular branching during angiogenesis (PubMed:15510105). Mediates retraction of tip cell filopodia on endothelial growth cones in response to netrin (PubMed:15510105). 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 (By similarity).[UniProtKB/Swiss-Prot Function]