

Product datasheet for **TP509757**

Flrt3 (NM_001172160) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse fibronectin leucine rich transmembrane protein 3 (Flrt3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209757 protein sequence Red =Cloning site Green =Tags(s)

MISPAWSLFLIGTKIGLFFQVAPLSVWAKSCPSVCRCDAGFIYCNDRLTSIPVGIPEDATTLYLQNNQI
NNVGIPSDLKNLLKVQRIYLYHNSLDEFPTNLPKYVKELHLQENNIRTITYDSLKIPYLEELHLLDDNSV
SAVSIEEGAFRDSNYLRLFLSRNHLSTIPGGLPRTIEELRLDDNRISTISSPSLHGLTSLKRLVLDGNL
LNNHGLGDKVFFNLVNLTELSLVRNSLTAAPVNLPGTSLRKLYLQDNHINRVPPNAFSYLRQLYRLDMSN
NNLSNLPQGIFDDLNDITQLILRNNPWYCGCKMKWVRDWLQSLPVKVNVRGLMCQAPEKVRGMAIKDLSA
ELFDCKDSGIVSTIQITTAIPNTAYPAQGGWPAPVTKQPDIKNPKLIKQRTTGSPSRKILITVKSVP
DTIHISWRLALPMTALRLSWLKLGHSPAFGSITETIVTGERSEYLVTALEPESYRVCMPMETSNYLFL
DETPVCIETQTAPLRMYNPTTLNREQEKEYKNPNLPLAAIIGGAVALVSIALLALVCWYVHRNGSLFS
RNCAYSKGRRRKDDYAEAGTKKDNSILEIRETSFQMLPISNEPISKEEFVIHTIFPPNGMNLKNNLSES
SSNRSYRDSGIPDSHSHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	72.9 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
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.



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RefSeq:	<u>NP_001165631</u>
Locus ID:	71436
UniProt ID:	<u>Q8BGT1</u>
RefSeq Size:	4537
Cytogenetics:	2 F3
RefSeq ORF:	1950
Synonyms:	5530600M07Rik; C430047110Rik; mKIAA1469
Summary:	<p>Functions in cell-cell adhesion, cell migration and axon guidance, exerting an attractive or repulsive role depending on its interaction partners (PubMed:19056886, PubMed:25374360). Plays a role in the spatial organization of brain neurons (PubMed:25374360). Plays a role in vascular development in the retina (PubMed:25374360). Plays a role in cell-cell adhesion via its interaction with ADGRL3 and probably also other latrophilins that are expressed at the surface of adjacent cells (PubMed:22405201, PubMed:25374360). Interaction with the intracellular domain of ROBO1 mediates axon attraction towards cells expressing NTN1 (PubMed:24560577). Mediates axon growth cone collapse and plays a repulsive role in neuron guidance via its interaction with UNC5B, and possibly also other UNC-5 family members (PubMed:21673655, PubMed:25374360). Promotes neurite outgrowth (in vitro) (By similarity). Mediates cell-cell contacts that promote an increase both in neurite number and in neurite length (By similarity). Plays a role in the regulation of the density of glutamatergic synapses (PubMed:22405201). Plays a role in fibroblast growth factor-mediated signaling cascades (PubMed:16872596). Required for normal morphogenesis during embryonic development, but not for normal embryonic patterning (PubMed:19056886). Required for normal ventral closure, headfold fusion and definitive endoderm migration during embryonic development (PubMed:18448090). Required for the formation of a normal basement membrane and the maintenance of a normal anterior visceral endoderm during embryonic development (PubMed:19056886).[UniProtKB/Swiss-Prot Function]</p>