

## Product datasheet for **TP509836**

### Flrt2 (NM\_201518) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse fibronectin leucine rich transmembrane protein 2 (Flrt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209836 representing NM_201518 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGLQTTKWPGRGAFILKFWLIISLGLYLQVSKLLACPSVCRCDRNFVVCNERSLTSVPLGIPEGVTVLYL  
HNNQINNAGFPAELHNVQSVHTVYLYGNQLDEFPMNLPKNVRVLHLQENNIQTISRALAQLLKLEELHL  
DDNSISTVGVEDGAFREAISLKLFLSKNHLSSVPVGLPVDLQELRVDENRIAVISDMAFQNLTSLERLI  
VDGNLLTNKGIAEGTFFSHLTKLKEFSIVRNSLSHPPDLPGTHLIRLYLQDNQINHIPLTAFANLRKLER  
LDISNNQLRMLTQGVFDHLSNLKQLTARNNPWFCDCSIKWVTEWLKYIPSSLNVRGFMCQGPEQVRGMAV  
RELNMNLLSCPTTTPGLPVFTAPSTVSPPTQSPTLSVSPSRGSVPPAPTPSKLPTIPDWDGRERVTPP  
ISERIQLSIHVNDTSIQVSWLSLFTVMAYKLTWVKMGHSLVGGIVQERIVSGEKQHLSLVNLEPRSTYR  
ICLVPLDAFNRYRTVEDTICSEATTHASYLNNGSNTASSHEQTTSHSMGSPFLLAGLIGGAVIFVLVLLS  
VFCWVHMHHKGRYTSQKWYKYNRGRKDDYCEAGTKKDNSILEMTETSQIVSLNNDQLLKGFRLQPIYTP  
NGGINYTDCHIPNMMRYCNSSVPDLEHCHT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	74.4 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: [NP\\_958926](#)

Locus ID: 399558

UniProt ID: [Q8BLU0](#)

RefSeq Size: 7099

Cytogenetics: 12 E

RefSeq ORF: 1980

Synonyms: KIAA0405

**Summary:** Functions in cell-cell adhesion, cell migration and axon guidance. Mediates cell-cell adhesion via its interactions with ADGRL3 and probably also other latrophilins that are expressed at the surface of adjacent cells (PubMed:21350012, PubMed:25728924 PubMed:25374360). May play a role in the migration of cortical neurons during brain development via its interaction with UNC5D (PubMed:21673655). Mediates axon growth cone collapse and plays a repulsive role in neuron guidance via its interaction with UNC5D, and possibly also other UNC-5 family members (PubMed:21673655, PubMed:25728924). Plays a role in fibroblast growth factor-mediated signaling cascades (PubMed:16872596). Required for normal organization of the cardiac basement membrane during embryogenesis, and for normal embryonic epicardium and heart morphogenesis (PubMed:21350012).[UniProtKB/Swiss-Prot Function]