

## Product datasheet for **TP324270L**

### FLRT2 (NM\_013231) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human fibronectin leucine rich transmembrane protein 2 (FLRT2), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC224270 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MGLQTTKWPSHGAFFLKSWLIISLGLYSQVSKLLACPSVCRCDRNFVYCNERSLTSVPLGIPEGVTVLYL  
HNNQINNAGFPAELHNVQSVHTVYLYGNQLDEFPMNLPKNVRVLHLQENNIQTISRALAQLLKLEELHL  
DDNSISTVGVEDGAFREISLKLFLSKNHLSSVPVGLPVDLQELRVNENRIAVISDMAFQNLTSLERLI  
VDGNLLTNKGIAEGTFSHLTKLKEFSIVRNSLSHPPDLPGLHRLRLYLDQNDQINHIPLTAFSNLRKLER  
LDISNNQLRMLTQGVFDNLSNLKQLTARNNPWFCDKSIKWVTEWLKYPSSLNVRGFMCGPEQVRGMAV  
RELNMNLLSCPTTTPGLPLFTPAPSTASPTTQPPTLSIPNPSRSYTPPTPTTSLKPTIPDWDGERVTPP  
ISERIQLSIHVNDTSIQVSWLSLFTVMAYKLTWVKMGHSLVGGIVQERIVSGEKQHLSLVNLEPRSTYR  
ICLVPLDAFNRAVEDTICSEATTHASYLNNGSNTASSHEQTTSHSMGSPFLLAGLIGGAVIFVLVLLS  
VFCWHMHKKGRYTSQKWYNRGRRKDDYCEAGTKKDNSILEMTETSQIVSLNNDQLLKGD FRLQPIYTP  
NGGINYTDCHIPNNMRYCNSSVPDLEHCHT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

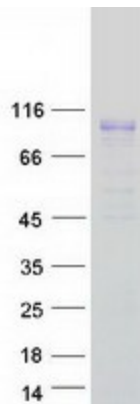
**Tag:** C-Myc/DDK  
**Predicted MW:** 73.9 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**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.



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|--------------------------|---|
| <b>Stability:</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |
| <b>RefSeq:</b>           | <a href="#">NP_037363</a>   |
| <b>Locus ID:</b>         | 23768   |
| <b>UniProt ID:</b>       | <a href="#">O43155</a>  |
| <b>RefSeq Size:</b>      | 7185  |
| <b>Cytogenetics:</b>     | 14q31.3   |
| <b>RefSeq ORF:</b>       | 1980  |
| <b>Summary:</b>          | This gene encodes a member of the fibronectin leucine rich transmembrane (FLRT) family of cell adhesion molecules, which regulate early embryonic vascular and neural development. The encoded type I transmembrane protein has an extracellular region consisting of an N-terminal leucine-rich repeat domain and a type 3 fibronectin domain, followed by a transmembrane domain and a short C-terminal cytoplasmic tail domain. It functions as both a homophilic cell adhesion molecule and a heterophilic chemorepellent through its interaction with members of the uncoordinated-5 receptor family. Proteolytic removal of the extracellular region controls the migration of neurons in the developing cortex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016] |
| <b>Protein Families:</b> | Druggable Genome, Transmembrane   |

### Product images:



Coomassie blue staining of purified FLRT2 protein (Cat# [TP324270]). The protein was produced from HEK293T cells transfected with FLRT2 cDNA clone (Cat# [RC224270]) using MegaTran 2.0 (Cat# [TT210002]).