

Product datasheet for **TP324270**

FLRT2 (NM_013231) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human fibronectin leucine rich transmembrane protein 2 (FLRT2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224270 protein sequence Red =Cloning site Green =Tags(s)

MGLQTTKWPSHGAFFLKSWLIISLGLYSQVSKLLACPSVCRCDRNFVYCNERSLTSVPLGIPEGVTLYL
HNNQINNAGFPAELHNVQSVHTVYLYGNQLDEFPMNLPKNVRVLHLQENNIQTISRAALAQLLKLEELHL
DDNSISTVGVEDGAFREISLKLFLSKNHLSSVPVGLPVDLQELRVLDENRIAVISDMAFQNLTSLERLI
VDGNLLTNKGIAEGTFSHLTKLKEFSIVRNSLSHPPDLPGTHLIRLYLQDNQINHIPLTAFSNLRKLER
LDISNNQLRMLTQGVFDNLSNLKQLTARNNPWFCDCSIKWVTEWLKYIPSSLNVRGFMCGPEQVRGM
AV
RELNMNLLSCPTTTPGLPLFTPAPSTASPTTQPPTLSIPNPSRSYTPPTPTTSKLPTIPDWDGRERVTPP
ISERIQLSIHFVNDTSIQVSWLSLFTVMAYKLTWVKMGHSLVGGIVQERIVSGEKQHLSLVNLEPRSTYR
ICLVPLDAFNRYRAVEDTICSEATTHASYLNNGSNTASSHEQTTSHSMGSPFLLAGLIGGAVIFVLVLLS
VFCWHMHKKGRYTSQKWKYNRGRKDDYCEAGTKKDNSILEMTTTSFQIVSLNNDQLLKGD FRLQPIYT
P
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.



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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.

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_037363](#)

Locus ID: 23768

UniProt ID: [O43155](#)

RefSeq Size: 7185

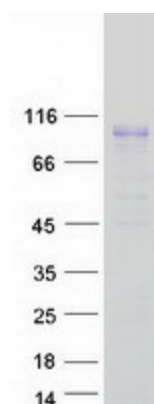
Cytogenetics: 14q31.3

RefSeq ORF: 1980

Summary: 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]

Protein Families: 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]).