

Product datasheet for PH324270

FLRT2 (NM_013231) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FLRT2 MS Standard C13 and N15-labeled recombinant protein (NP_037363)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224270
Predicted MW:	74 kDa
Protein Sequence:	>RC224270 protein sequence Red=Cloning site Green=Tags(s)

MGLQTTKWP SHGAFFLKSWLIISLGLYSQVSKLLACPSVCRCDRNFVYCNERSLTSVPLGIPEGVTVLYL
HNNQINNAGFPAELHNVQSVHTVYLYGNQLDEFPMNLPKNVRVLHLQENNIQTISR AALAQLLKLEELHL
DDNSISTVGVEDGAFREAI SLKLLFLSKNHLSSVPVGLPVDLQELRV DENRIAVISDMAFQNLTSLERLI
VDGNLLTNKGIAEGTFSHLTKLKEFSIVRNSLSHPPDLP GTHLIRLYLQDNQINHIPLTAFSNLRKLER
LDISNNQLRMLTQGVFDNLSNLKQLTARNNPWFCDCSIKWVTEWLKYIPSSLNVRGFMCGPEQVRGMV
RELNMNLLSCTTTTPGLPLFTPAPSTASPTTQPPTLSIPNPSRSYTPPTPTT SKLPTIPDWDGRERVTP
ISERIQLSIHFVNDTSIQVSWLSLFTVMAYKLTWVKMGHSLVGGIVQERIVS GEKQHL SLVNLEPRSTYR
ICLVPLDAFNRAVEDTICSEATTHASYLNNGSNTASSHEQTTSHSMGSPFLLAGLIGGAVIFVLVLLS
VFCWHMHKKGRYTSQKWKYNRGRKDDYCEAGTKKDNSILEMTETSFQIVSLNNDQLLKGDFRLQPIYTP
NGGINYTDCHIPNMRYCNSSVPDLEHCHT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_037363
RefSeq Size:	7185



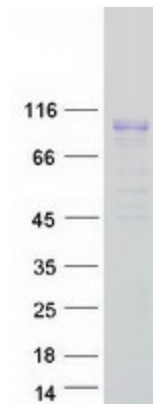
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RefSeq ORF: 1980
Locus ID: 23768
UniProt ID: [O43155](#)
Cytogenetics: 14q31.3

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]).