

Recombinant Human FLRT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FLRT2-3622H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FLRT2 MS Standard C13 and N15-labeled recombinant protein (NP_037363) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	74 kDa
AA Sequence	MGLQTTKWPSHGAFFLKSWLIISLGLYSQVSKLLACPSVCRCDRNFVYCNERSLTSV PLGIPEGVTVLVYLHNNQINNAGFPAELHNVQSVHTVYLYGNQLDEFPMNLPKNVRVL HLQENNIQTISRALAQLLKLEELHLDDNSISTVGVEDGAFREAISLKLFLSKNHLSS VPVGLPVDLQELRVDENRIAVISDMAFQNLTSLERLIVDGNLLTNKGIAEGTFSHLTKL

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KEFSIVRNSLSHPPDLPGTHLIRLYLQDNQINHIPLTAFSNLRKLERLDISNNQLRML
 TQGVFDNLSNLKQLTARNNPWFCDCSIKWVTEWLKYIPSSLNVRGFMCGPEQVR
 GMAVRELNMNLLSCPTTTPGLPLFTPAPSTASPTTQPPTLSIPNPSRSYTPPTPTTSK
 LPTIPDWDGRERVTPPISERIQLSIHFVNDTSIQVSWLSLFTVMAYKLTWVKMGHSLV
 GGIVQERIVSGEKQHLSLVNLEPRSTYRICLVPLDAFNRYAVEDTICSEATTHASYLN
 NGSNTASSHEQTTSHSMGSPFLLAGLIGGAVIFVLVLLSVFCWHMHKKGRTYSQK
 WKYNRGRRKDDYCEAGTKKDNSILEMTETSFQIVSLNNDQLLKGD FRLQPIYTPNG
 GINYTDCHIPNNMRYCNSSVPDLEHCHTTRTRPLEQKLISEEDLAANDILDYKDDDDK
 V

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name FLRT2 fibronectin leucine rich transmembrane protein 2 [Homo sapiens (human)]

Official Symbol FLRT2

Synonyms FLRT2; fibronectin leucine rich transmembrane protein 2; leucine-rich repeat transmembrane protein FLRT2; fibronectin-like domain-containing leucine-rich transmembrane protein 2; KIAA0405;

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Gene ID	23768
mRNA Refseq	NM_013231
Protein Refseq	NP_037363
MIM	604807
UniProt ID	O43155
SDS-PAGE	