

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

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

## SPECIFICATION

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

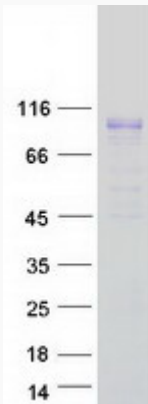
**Official Symbol** FLRT2

**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       |  |