

Recombinant Full Length Human FLRT2 Protein, C-Flag-tagged

Cat. No. FLRT2-70HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FLRT2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	73.9 kDa
AA Sequence	MGLQTTKWPSHGAFFLKSWLIISLGLYSQVSKLLACPSVCRCDRNFVYCNERSLTSV PLGIPEGVTVLYL HNNQINNAGFPAELHNVQSVHTVYLYGNQLDEFFPMNLPKNVRV LHLQENNIQTISRALAQLLKLEELHL DDNSISTVGVEDGAFREAISLKLFLSKNHLS

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SVPVGLPVDLQELRVDENRIAVISDMAFQNLTSLERLI VDGNNLTNKGIAEGTFSHLT
 KLKEFSIVRNSLSHPPDLPGLTHLIRLYLQDNQINHIPLTAFSNLRKLER LDISNNQLR
 MLTQGVFDNLSNLKQLTARNNPWFCDCSIKWVTEWLKYIPSSLNVRGFMCGPEQ
 VRGMAV RELNMNLLSCPTTTPGLPLFTPAPSTASPTTQPPTLSIPNPSRSYTPPTPT
 TSKLPTIPDWDGRERVTPP ISERIQLSIHFVNDTSIQVSWLSLFTVMAYKLTWVKMG
 HSLVGGIVQERIVSGEKQHLSLVNLEPRSTYR ICLVPLDAFNRYRAVEDTICSEATTHA
 SYLNNGSNTASSHEQTTSHSMGSPFLLAGLIGGAVIFVLVLLS VFCWHMHKKGRY
 TSQKWKYNRGRRKDDYCEAGTKKDNSILEMTETSFQIVSLNNDQLLKGD FRLQPIYT
 P
 NGGINYTDCHIPNNMRYCNSSVPDLEHCHTTRTRPLEQKLISEEDLAANDILDYKDD
 DDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Full Length	Full L.

GENE INFORMATION

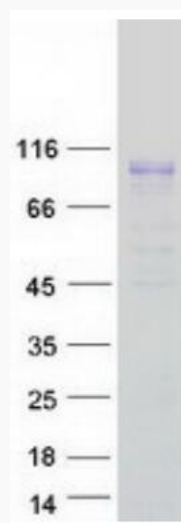
Gene Name FLRT2 fibronectin leucine rich transmembrane protein 2 [Homo sapiens (human)]

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Official Symbol	FLRT2
Synonyms	KIAA0405
Gene ID	23768
mRNA Refseq	NM_013231.6
Protein Refseq	NP_037363.1
MIM	604807
UniProt ID	O43155



Coomassie blue staining of purified FLRT2 protein.