

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

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

## SPECIFICATION

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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SVPVGLPVDLQELRVDENRIAVISDMAFQNLTSLERLI VDGNULLTNKGIAEGTFSHLT  
 KLKEFSIVRNSLSHPPDLPGTHLIRLYLQDNQINHIPLTAFSNLRKLER LDISNNQLR  
 MLTQGVFDNLSNLKQLTARNNPWFCDCSIKWVTEWLKYIPSSLNVRGFMCGPEQ  
 VRGMAV RELNMNLLSCPTTTPGLPLFTPAPSTASPTTQPPTLSIPNPSRSYTPPTPT  
 TSKLPTIPDWDGRERVTPP ISERIQLSIHFVNDTSIQVSWLSLFTVMAYKLTWVKMG  
 HSLVGGIVQERIVSGEKQHLSLVNLEPRSTYR ICLVPLDAFNRYRAVEDTICSEATTHA  
 SYLNNGSNTASSHEQTTSHSMGSPFLLAGLIGGAVIFVLVLLS VFCWHMHKKGRY  
 TSQKWKYNRGRRKDDYCEAGTKKDNSILEMTETSFQIVSLNNDQLLKGFRLQPIYT  
 P  
 NNGINYTDCHIPNNMRYCNSSVPDLEHCHTTRTRPLEQKLISEEDLAANDILDYKDD  
 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

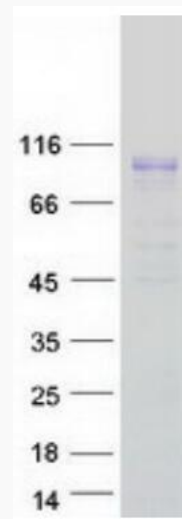
**Gene Name** [FLRT2 fibronectin leucine rich transmembrane protein 2 \[ Homo sapiens \(human\) \]](#)

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



Coomassie blue staining of purified FLRT2 protein.

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