

Recombinant Human FLRT3 Protein, His-tagged

Cat. No. FLRT3-357H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FLRT3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	FLRT3, also known as leucine-rich repeat transmembrane protein FLRT3, belongs to the fibronectin leucine rich transmembrane protein (FLRT) family. It contains one fibronectin type-III domain and ten LRR(leucine-rich) repeats and expressed in kidney, brain, pancreas, skeletal muscle, lung, liver, placenta, and heart. The members of the FLRT family may have a function in cell adhesion and/or receptor signaling. It has been implicated in neurite outgrowth after nerve damage, as a positive regulator of FGF signalling and in homotypic cell adhesion. It may have a crucial role in regulating cellular adhesion between the epithelial apical ridge and the underlying mesenchyme and in establishing the dorso-ventral position of the ridge.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	57.6kDa (508aa)70-100KDa (SDS-PAGE under reducing conditions.)
AA Sequence	KSCPSVCRCD AGFIYCNDRF LTSIPTGIPE DATTLYLQNN QINNAGIPSD LKNLLKVERI YLYHNSLDEF PTNLPKYVKE LHLQENNIRT ITYDSLSKIP YLEELHDDN SVSAVSIEEG AFRDSNYLRL LFLSRNHLST IPWGLPRTIE ELRLDDNRIS TISSPSLQGL TSLKRLVLDG NLLNNHGLGD KVFFNLVNLT

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ELSLVRNSLT AAPVNLPGTN LRKLYLQDNH INRVPPNAFS YLRQLYRLDM
 SNNNLSNLPQ GIFDDLNDIT QLILRNPNWY CGCKMKWVRD WLQSLPVKVN
 VRGLMCQAPE KVRGMAIKDL NAELFDCKDS GIVSTIQITT AIPNTVYPAQ
 GQWPAPVTQK PDIKNPKLTK DHQTTGSPSR KTITITVKS SV TSDTIHISWK
 LALPMTALRL SWLKLGHSPA FGSITETIVT GERSEYLVTA LEPDSPYKVC
 MVMETSNLY LFDETPVCIE TETAPLRMYN PTTTLNREQE KEPYKNPNLP
 LEHHHHHH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >90% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name [FLRT3 fibronectin leucine rich transmembrane protein 3 \[Homo sapiens \]](#)

Official Symbol [FLRT3](#)

Synonyms FLRT3; fibronectin leucine rich transmembrane protein 3; leucine-rich repeat transmembrane protein FLRT3; fibronectin-like domain-containing leucine-rich transmembrane protein 3;

Gene ID [23767](#)

mRNA Refseq [NM_013281](#)

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Protein Refseq	NP_037413
MIM	604808
UniProt ID	Q9NZU0
Chromosome Location	20p11
Function	protein binding, bridging; receptor signaling protein activity;

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