

Product information

Fibronectin leucine rich transmembrane protein 3, 29-528aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3202

NCBI Accession No.: NP_037413

Synonyms: FLRT3, HH21

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. Recombinant human FLRT3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 57.6kDa (508aa)

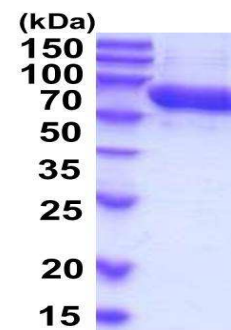
70-100kDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Lys29

Purity: > 90% by SDS – PAGE.

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

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

Sequences of amino acids:

KSCPSVCRCD AGFIYCNDRF LTSIPTGIPE DATTLYLQNN QINNAGIPSD LKNLLKVERI YLYHNSLDEF PTNLPKYVKE LHLQENNI RT
 ITYDLSLKI P YLEELHLDN SVSAVSI EEG AFRDSNYLRL LFLSRNHLST IPWGLPRTIE ELRLDDNRIS TISSPSLQGL TSLKRLVLDG
 NLLNNHGLGD KVFFNLVNL T ELSLVRNSLT AAPVNLPGTN LRKLYLQDNH INRVPPNAFS YLRQLYRLDM SNNLSNLPQ GIFDDLNI T
 QLILRNNPWY CGCKMKWVRD WLQSLPVKVN VRGLMCQAPE KVRGMAIKDL NAELFDCCKDS GIVSTIQITT AIPNTVYPAQ GQWPAPVTKQ
 PDIKNPKLTK DHQTTGSPSR KTITITVKS V TSDTIHISWK LALPMTALRL SWLKLGHSPA FGSITETIVT GERSEYLVTA LEPDSPYKVC
 MVPMETSPLY LFDETPVCIE TETAPLRMYN PTTTLNREQE KEPYKNPNLP LEHHHHHH

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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General references:

Lacy S E., *et al.* (1999) *Genomics*. 62:417-426.

Haines B. P., *et al.* (2006) *Dev. Biol.* 297:14-25.

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

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Manufactured for:

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