

32-13237: FLRT3 Human

Alternative Name : Fibronectin Leucine Rich Transmembrane Protein 3, Fibronectin-Like Domain, Containing Leucine-Rich Transmembrane Protein 3, HH21, Leucine-Rich Repeat, Transmembrane Protein FLRT3, KIAA1469.

Description

Source: Sf9, Insect cells.

Sterile filtered colorless solution.

Fibronectin Leucine Rich Transmembrane Protein 3, also known as FLRT3 is a member of the fibronectin leucine rich transmembrane protein (FLRT) family. FLRT3 contains one fibronectin type-III domain as well as 10 LRR (leucine-rich) repeats and is expressed in the kidney, brain, pancreas, skeletal muscle, lung, liver, placenta, and heart. In addition, the members of the FLRT family play a role in cell adhesion as well as receptor signaling. FLRT3 has been implicated in neurite outgrowth after nerve damage, as a positive regulator of FGF signalling and in homotypic cell adhesion. Furthermore, FLRT3 has an essential function in regulating cellular adhesion among the epithelial apical ridge and the underlying mesenchyme and also in the establishment of the dorso-ventral position of the ridge.

FLRT3 produced in Sf9 insect cells is a single, glycosylated polypeptide chain containing 508 amino acids (29-528a.a.) and having a molecular mass of 57.6kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). FLRT3 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : FLRT3 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : KSCPSVCRCD AGFIYCNDRF LTSIPTGIPE DATTLYLQNN QINNAGIPSD LKNLLKVERI YLYHNSLDEF PTNLPKYVKE LHLQENNIRT ITYDSLSKIP YLEELHLDDN SVSAVSIEEG AFRDSNYLRL LFLSRNHLST IPWGLPRTIE ELRLDDNRIS TISSPSLQGL TSLKRLVLDG NLLNNHGLGD KVFFNLVNL ELSLVRNSLT AAPVNLPGTN LRKLYLQDNH INRVPPNAFS YLRQLYRLDM SNNNLSNLPQ GIFDDLNDIT QLILRNNPWY CGCKMKWVRD WLQSLPVKVN VRGLMCQAPE KVRGMAIKDL NAELFDCKDS GIVSTIQITT AIPNTVYPAQ GQWPAPVTQQA PDIKNPKLTK DHQTTGSPSR KTTITVKS SVTSDTIHISWK LALPMTALRL SWLKLGHSPA FGSITETIVT GERSEYLVTA LEPDSPYKVC MVPMETSPLY LFDETPVCIE TETAPLRMYN PTTTLNREQE KEPYKNPNLP LEHHHHHH.