
Product Data Sheet

Product Name: FLRT3 Human

Cat. No.: GP23504

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fibronectin Leucine Rich Transmembrane Protein 3; Fibronectin-Like Domain; Containing Leucine-Rich Transmembrane Protein 3; HH21; Leucine-Rich Repeat; Transmembrane Protein FLRT3; KIAA1469.		
Amino Acid Sequence	<p>KSCPSVCRCD AGFIYCNDRF LTSIPTGIPE DATTLYLQNN QINNAGIPSDLKNLLKVERI YLYHNSLDEF PTNLPKYVKE LHLQENNIRT ITYDSLSKIP YLEELHLDDN SVSAVSIEEGAFRDSNYLRL LFLSRNHLST IPWGLPRTIE ELRLDDNRIS TISSPSLQGL TSLKRLVLDG NLLNNHGLGDKVFFNLVNL ELSLVRNSLT AAPVNLPGTN LRKLYLQDNH INRVPPNAFS YLRQLYRLDM SNNNLSNLPQGIFDDLDNIT QLILRNNPWY CGCKMKWVRD WLQSLPVKVN VRGLMCQAPE KVRGMAIKDL NAELFDCKDSGIVSTIQITT AIPNTVYPAQ GQWPAPVTKQPDIKNPKLTK DHQTTGSPSRKTITITVKS SV TSDTIHISWK LALPMTALRL SWLKLGHSPA FGSITETIVT GERSEYLVTA LEPDSPYKVC MVPMETS NLYLFDETPVCIE TETAPLRMYN PTTTLNREQE KEPYKNPNLP LEHHHHHH.</p>		
Formulation	FLRT3 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

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

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Stability

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.

Background

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

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