

Recombinant human FLRT3 protein

Catalog Number: ATGP3202

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

29-528aa

UniProt No.

Q9NZU0

NCBI Accession No.

NP_037413

Alternative Names

FLRT3, HH21

PRODUCT SPECIFICATION

Molecular Weight

57.6 kDa (508aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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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.

Amino acid Sequence

KSCPSVCRCD AGFIYCNDRF LTSIPTGIPE DATTLYLQNN QINNAGIPSD LKNLLKVERI YLYHNSLDEF PTNLPKYVKE
LHLQENNIRT ITYDSLSKIP YLEELHLDDN SVSAVSIEEG AFRDSNYLRL LFLSRNHLST IPWGLPRTIE ELRLDDNRIS
TISSPSLQGL TSLKRLVLDG NLLNNHGLGD KVFFNLVNL T ELSLVRNSLT AAPVNLPGTN LRKLYLQDNH INRVPPNAFS
YLRQLYRLDM SNNNLSNLPQ GIFDDLNDIT QLILRNNPWY CGCKMKWVRD WLQSLPVKVN VRGLMCQAPE KVRGMAIKDL
NAELFDCKDS GIVSTIQITT AIPNTVYPAQ QOWPAPVTKQ PDIKNPKLTK DHQTTGSPSR KTITITVKS V TSDTIHISWK
LALPMTALRL SWLKLGHSPA FGSITETIVT GERSEYLVTA LEPDSPYKVC MVPMETSPLY LFDETPCIE TETAPLRMYN
PTTLLNREQE KEPYKNPNLP LEHHHHHH

General References

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

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

DATA

SDS-PAGE

(kDa)**150****100****70****50****35****25****20****15**

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)