

# Recombinant human FLRT3 protein

Catalog Number: ATGP3202

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

29-528aa

### UniProt No.

Q9NZU0

### NCBI Accession No.

NP\_037413

### Alternative Names

FLRT3, HH21

## PRODUCT SPECIFICATION

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### 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

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### 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

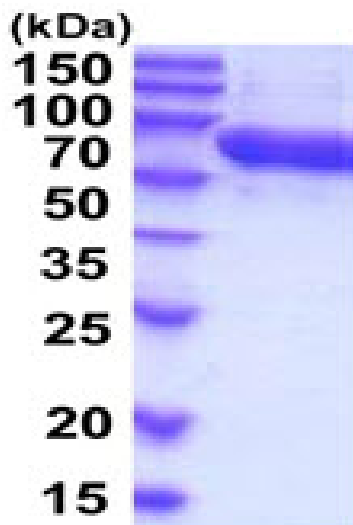
## General References

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

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

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)