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# Recombinant human FLRT3 protein

Catalog Number: ATGP3202

# **PRODUCT INFORMATION**

# **Expression system**

Baculovirus

#### **Domain**

29-528aa

#### UniProt No.

O9NZU0

#### **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 onefibronectin 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 Histag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

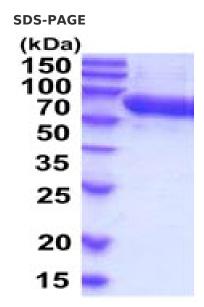
# **Amino acid Sequence**

KSCPSVCRCD AGFIYCNDRF LTSIPTGIPE DATTLYLQNN QINNAGIPSD LKNLLKVERI YLYHNSLDEF PTNLPKYVKE LHLQENNIRT ITYDSLSKIP YLEELHLDDN SVSAVSIEEG AFRDSNYLRL LFLSRNHLST IPWGLPRTIE ELRLDDNRIS TISSPSLQGL TSLKRLVLDG NLLNNHGLGD KVFFNLVNLT ELSLVRNSLT AAPVNLPGTN LRKLYLQDNH INRVPPNAFS YLRQLYRLDM SNNNLSNLPQ GIFDDLDNIT QLILRNNPWY CGCKMKWVRD WLQSLPVKVN VRGLMCQAPE KVRGMAIKDL NAELFDCKDS GIVSTIQITT AIPNTVYPAQ GQWPAPVTKQ PDIKNPKLTK DHQTTGSPSR KTITITVKSV TSDTIHISWK LALPMTALRL SWLKLGHSPA FGSITETIVT GERSEYLVTA LEPDSPYKVC MVPMETSNLY LFDETPVCIE TETAPLRMYN PTTTLNREQE 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**



15% SDS-PAGE (3ug)

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

