
Fibronectin leucine rich transmembrane protein 3, 29-528aa, Human, His tag, Insect cell

Cat.NO.: TP02130

3th Edition

Synonyms:FLRT3, HH21

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 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.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:57.6kDa (508aa) 70-100kDa (SDS-PAGE under reducing conditions.)

Sequences:

KSCPSVCRCDAGFIYCNDRLFLTSIPTGIPEDATTLYLQNNQINNAGIPSDLKNNLLKVERIYLYHNSLDEFPTNLPKYVK
ELHLQENNIRITITYDSLSKIPYLEELHLDDNSVSAVSIEEGAFRDSNYLRLFLSRNHLSTIPWGLPRTIEELRLDDNRI
STISSPSLQGLTSLKRLVLDGNLNNHGLGDKVFFNLVNLTELSLVRNSLTAAPVNLPGTNLRKLYLQDNHINRVPPN
AFSYLRQLYRLDMSNNNLSNLPQGIFDDLNITQLILRNNPWYCGCKMKWVRDWLQSLPVKVNVRGLMCQAPEKV
RGMAIKDLNAELFDCKDSGIVSTIQITTAIPNTVYPAQGQWPAPVTKQPDIKNPKLTKDHQTTGSPSRKTITITVKSVT
SDTIHISWKLALPMTALRLSWLKLGHSPAFGSITETIVTGERSEYLVTALEPDSPYKVCMPMETSNLYLFDETPVCIE
TETAPLRMYNPTTTLNREQEKEPYKNPNLPLEHHHHHH

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.