

Product information

Leucine-rich repeat transmembrane protein FLRT2, 36-541aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3291

NCBI Accession No.: NP_037363

Synonyms: FLRT2

Description: FLRT2, also known as leucine-rich repeat transmembrane protein FLRT2, is one of three FLRT (fibronectin, leucine rich repeat, transmembrane) glycoproteins expressed in distinct areas of the developing brain and other tissues. Human FLRT1 and FLRT3 ECDs (extracellular domain) share approximately 47% aa identity with FLRT2. The fibronectin domain of all three FLRTs can bind to FGF receptors. Recombinant human FLRT2, 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.

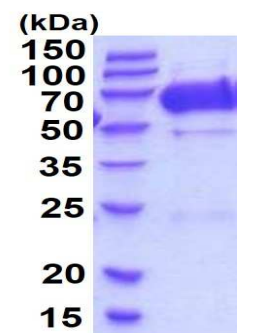
Molecular Weight: 57.5kDa (514aa)
50-70KDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Cys36

Purity: > 90% by SDS – PAGE.

Concentration: 0.25mg/ml (determined by Absorbance at 280nm)

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

CPSVCRCDRN FVYCNERSLT SVPLGIPGV TVLYLHNNQI NNAGFPAELH NVQSVHTVYL YGNQLDEFPM NLPKNVRVLH LQENNIQTIS RAALAQLLKL EELHLDNSI
STVGVEDGAF REAISLKLFL LSKNHLSSVP VGLPVDLQEL RVDENRIAVI SOMAFQNLTS LERLIVDGNL LTNKGI AEGT FSHLTKLKEF SIVRNSLSHP PPDLPGTHLI
RLYLQDNQIN HIPLTAFSNL RKLERLDISN NQLRMLTQGV FDNLSNLKQL TARNNPWFCD CSIKWTEWL KYIPSSLNVR GFMCQGPQV RGMVAVRELNM NLLSCTPTTP
GLPLFTPAPS TASPPTQPPT LSIPNPSRSY TPPTPTTSLK PTIPDWDGRE RVTTPISERI QLSIHFNVDI SIQVSWLSLF TVMAYKLTWV KMGHSLVGGI VQERIVSGEK
QHLSLVNLEP RSTYRICLVP LDAFNRYAVE DTICSEATTH ASYLNNGSNT ASSHEQTTSH SMGSPFLEHH HHHH

General references:

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

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

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.