

## 32-7319: Recombinant Human Fibronectin Leucine Rich Transmembrane Protein 1/FLRT1 (C-6His)(Discontinued)

**Gene :** FLRT1  
**Gene ID :** 23769  
**Uniprot ID :** Q9NZU1

### Description

Source: Human Cells.

MW :56.52kD.

Recombinant Human FLRT1 is produced by our Mammalian expression system and the target gene encoding Ile21-Pro524 is expressed with a 6His tag at the C-terminus. Fibronectin Leucine Rich Transmembrane Protein 1 (FLRT1) is a member of the Fibronectin Leucine Rich Transmembrane protein (FLRT) family. There are three fibronectin leucine-rich repeat transmembrane (FLRT) proteins: FLRT1, FLRT2 and FLRT3, all contain 10 leucine-rich repeats (LRR), a type III fibronectin (FN) domain, followed by the transmembrane region, and a short cytoplasmic tail. FLRT proteins have dual properties as regulators of cell adhesion and potentiators of fibroblast growth factor (FGF) mediated signalling. The fibronectin domain of all three FLRTs can bind FGF receptors. This binding is thought to regulate FGF signaling during development. The LRR domains are responsible for both the localization of FLRTs in areas of cell contact and homotypic cell association. FLRT1 is expressed at brain compartmental boundaries. FLRT1 is a target for tyrosine phosphorylation mediated by FGFR1 and implicate a non-receptor Src family kinase (SFK).

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** IDSTTCPSVCRCDNGFIYCNDRLTSLIPADIPDDATTLYLQNNQINNAGIPQDLKTKVNVQVIYLYENDLDEFPINL PRSLRELHLQDNNVRTIARDSLARIPLEKHLDDNSVSTVSI EEDAFADSKQLKLLFLSRNHLSSIPSGLPHTLEE LRLDDNRISTIPLHAFKGLNSLRRLVLDGNLLANQRIADDTFSRLQNLTELSLVRNSLAAPPLNLP SAHLQKLYLQ DNAISHIPYNTLAKMRELERLDLSNNLTTLP RGLFDDLGNLAQLLLRNNPWFCGCNLMWLRDWVKARAAVV NVRGLMCQGPEKVRGMAIKDITSEMDECFETGPQGGVANAAKTTASNHASATTPQGSFLT KAKRPGRLRPD SNIDYPMATGDGAKTLAIHV KALTADSIRITWKATLPASSFRLSWLRLGHSPAVGSITETLVQGDKTEYLLTALEP KSTYIICMVTMETS NAYVADETPVCAKAETADSYGPTTTLNQE QNAGPMASLPVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.