

## 32-7320: Recombinant Human Fibronectin Leucine Rich Transmembrane Protein 2/FLRT2 (C-6His)

**Gene :** FLRT2  
**Gene ID :** 23768  
**Uniprot ID :** O43155

### Description

Source: Human Cells.

MW :57.3kD.

Recombinant Human FLRT2 is produced by our Mammalian expression system and the target gene encoding Cys36-Ser539 is expressed with a 6His tag at the C-terminus. Fibronectin Leucine Rich Transmembrane protein 2 (FLRT2) is a member of the fibronectin leucine rich transmembrane protein (FLRT) family. The 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 cell association. FLRT2 is expressed in a subset of the sclerotome, adjacent to the region that forms the syndetome, suggesting its involvement in the FGF signalling pathway.

### 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 :** CPSVCRCDRNFVYCNERSLTSVPLGIPEGVTLYLHNNQINNAGFPAELHNVQSVHTVYLYGNQLDEFPMNLPK  
NVRVLHLQENNIQTISRALAQLLKLEELHLDNSISTVGVEDGAFREAIKLLFLSKNHLSSVPVGLPVDLQEL  
RVDENRIAVISDMAFQNLTSLERLIVDGNLLTNKGIAEGTFSHLTKLKEFSIVRNSLSHPPDLPGTHLIRLYLQDN  
QINHIPLTAFSNLRKLERLDISNNQLRMLTQGVFDNLSNLKQLTARNNPWFCDCSIKWVTEWLKYIPSSLNVRGF  
MCQGPEQVRGMVRELNMNLLSCPTTTPGLPLFTPAPSTASPTTQPPTLSIPNPSRSTPPTPTTSKLPTIPDWD  
GRERVTPPISERIQLSIHVNDTSIQVSWLSLFTVMAYKLTWVKMGHSLVGGIVQERIVSGEKQHLSLVNLEPRS  
TYRICLVPLDAFNRAVEDTICSEATTHASYLNNGSNTASSHEQTTSHSMGSVDHHHHHH

### 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.