

Product Name: Recombinant Human FLRT1 (C-6His)
Catalog #: PHH0673

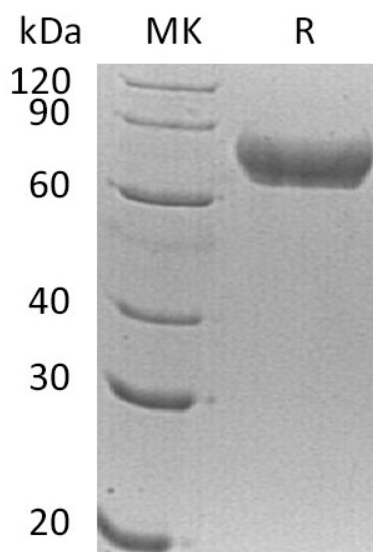


Summary

Name	FLRT1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Fibronectin Leucine Rich Transmembrane Protein 1 is produced by our Mammalian expression system and the target gene encoding Ile21-Pro524 is expressed with a 6His tag at the C-terminus.
Accession #	Q9NZU1
Host	Human Cells
Species	Human
Predicted Molecular Mass	56.52 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Leucine-Rich Repeat Transmembrane Protein FLRT1; Fibronectin-Like Domain-Containing Leucine-Rich Transmembrane Protein 1; FLRT1

Background

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).

Note

For Research Use Only , Not for Diagnostic Use.