Human FLRT1 Protein

Cat. No. FRT-HM101

Description

Source	Recombinant Human FLRT1 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Ile21-Pro524.
Accession	Q9NZU1
Molecular Weight	The protein has a predicted MW of 56.58 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

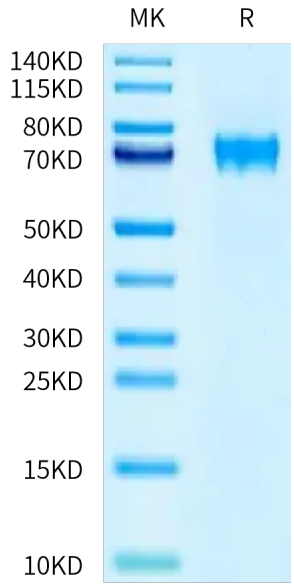
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Fibronectin leucine rich transmembrane (FLRT) proteins have dual properties as regulators of cell adhesion and potentiators of fibroblast growth factor (FGF) mediated signalling. FLRT1 is a target for tyrosine phosphorylation mediated by FGFR1 and implicate a non-receptor Src family kinase (SFK).

Assay Data

Bis-Tris PAGE



Human FLRT1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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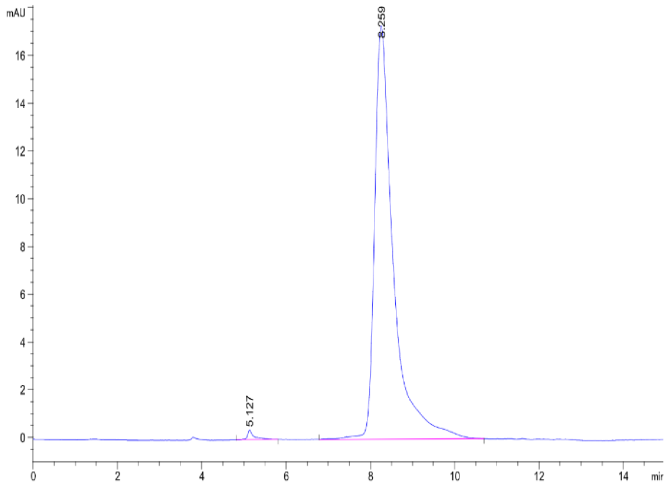
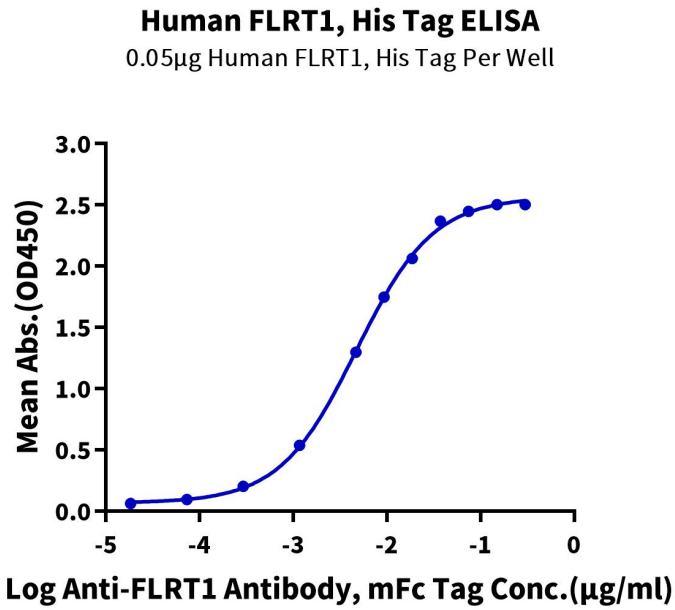
Assay Data



The purity of Human FLRT1 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human FLRT1, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-FLRT1 Antibody, mFc Tag with the EC50 of 4.8ng/ml determined by ELISA (QC Test).