

General Information

Gene Name Synonym

Fibronectin-like domain-containing leucine-rich transmembrane protein 1

Protein Construction

A DNA sequence encoding the human FLRT1 extracellular domain (Q9NZU1-1) (Met 1-Pro 524) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of Neuro-2A mouse neuroblastoma cells.

When cells are added to coated plates (5 µg/mL, 100 µL/well), approximately 50%-70% will adhere for 1 hour incubation at 37°C.

Purity

> 96 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Ile 21

Molecular Mass

The recombinant human FLRT1 consists of 515 amino acids and predicts a molecular mass of 57 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh FLRT1 is approximately 65 kDa due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

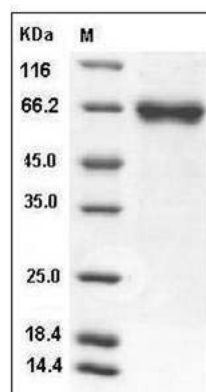
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human FLRT1 Protein (His Tag) SDS-PAGE