



Recombinant Protein Technical Manual

Recombinant Human FGFR5/FGFRL1 Protein (His Tag)(Active)

RPES3737

Product Data:

Product SKU: RPES3737

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q8N441

Protein Information:

Molecular Mass: 39.9 kDa

AP Molecular Mass: 40 kDa

Tag: C-6His

Bio-activity: Immobilized Human FGFb(Cat: PKSH032437) at 2µg/ml(100 µl/well) can bind Human FGFRL1-His. The ED50 of Human FGFRL1-His is 0.0345 µg/ml.

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: Fibroblast Growth Factor Receptor-Like 1; FGF Receptor-Like Protein 1; FGF Homologous Factor Receptor; FGFR-Like Protein; Fibroblast Growth Factor Receptor 5; FGFR-5; FGFRL1; FGFR5; FHFR

Immunogen Information:

Sequence: Ala25-Pro378

Background:

Fibroblast Growth Factor Receptor-Like 1 (FGFRL1) is a single-pass type I membrane protein that belongs to the FGF receptor family. The mature human FGFRL1 consists of a 354 amino acid extracellular domain (ECD) with 3 Ig-like C2-type domains, a 21 amino acid transmembrane segment, and a 134 amino acid cytoplasmic domain. FGFRL1 is expressed in various tissues, preferentially in cartilaginous tissues and pancreas. It is highly expressed in the liver, kidney, heart, brain and skeletal muscle, weakly expressed in the lung, small intestine and spleen. FGFRL1 has a negative effect on cell proliferation.