

Recombinant Human FGFR1 Protein (His Tag)

Catalog Number: PDEH101055

Note: Centrifuge before opening to ensure complete recovery of vial contents.

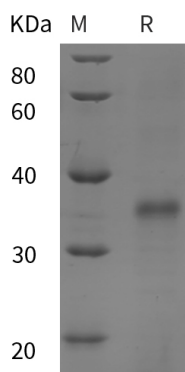
Description

Species	Human
Source	E.coli-derived Human FGFR1 protein Met31-Lys360, with an C-terminal His
Calculated MW	36.2 kDa
Observed MW	35 kDa
Accession	Q8N441
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, 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 in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human FGFR1 proteins, 2 µg/lane of Recombinant Human FGFR1 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 35 kDa.

Background

Fibroblast Growth Factor Receptor-Like 1 (FGFR1) is a single-pass type I membrane protein that belongs to the FGF receptor family. The mature human FGFR1 consists of a 354 amino acid extracellular domain (ECD) with 3 Ig-like C 2-type domains, a 21 amino acid transmembrane segment, and a 134 amino acid cytoplasmic domain. FGFR1 expressed in various tissues, preferentially in cartilaginous tissues and pancreas. It highly expressed in the liver, kidney, heart, brain and skeletal muscle, weakly expressed in the lung, small intestine and spleen. FGFR1 has a negative effect on cell proliferation.

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