

Datasheet for ABIN7597309

FGF1 Protein (AA 16-155) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	FGF1
Protein Characteristics:	AA 16-155
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGF1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human FGF1 Protein with C-terminal human Fc tag
Sequence:	FGF1(Phe16-Asp155) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 90 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	FGF1
Alternative Name:	FGF1 (FGF1 Products)
Background:	<p>AFGF, ECGF, FGFA, ECGFA, ECGFB, FGF-1, HBGF1, HBGF-1, GLIO703, ECGF-beta, FGF-alpha</p> <p>The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis,</p>

Target Details

tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Multiple alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq, Jan 2009]

Molecular Weight: predicted molecular mass of 42.0 kDa after removal of the signal peptide.

UniProt: [P05230](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months