

Datasheet for ABIN7534826 **FGFR1 Protein (Fc Tag,His tag)**



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Overview

Quantity:	100 µg
Target:	FGFR1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FGFR1 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human FLT-2/FGFR-1/CD331 Protein
Sequence:	RPSPTLPEQA QPWGAPVEVE SFLVHPGDL LQLRCRLRDDV QSINWLRDGV QLAESNRTRI TGEEVEVQDS VPADSGLYAC VTSSPSGSDT TYFSVNVSDA LPSEDDDDDD DDSSEEKET DNTKPNRMPV APYWTSPEKM EKKLHAVPAA KTVKFKCPSS GTPNPTLRWL KNGKEFKPDH RIGGYKVRYA TWSIIMDSVV PSDKGNYTCI VENEYGSINH TYQLDVVERS PHRPILQAGL PANKTVALGS NVEFMCKVYS DPQPHIQWLK HIEVNGSKIG PDNLPYVQIL KTAGVNTTDDK EMEVLHLRNV SFEDAGEYTC LAGNSIGLSH HSAWLVLEA LEERPAMTS PLYLE
Specificity:	Arg22-Glu376
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human FGF1

Product Details

at 10 µg/mL (100 µL/well) can bind Recombinant Human FGFR1 with a linear range of 1.1-3.4 µg/mL.² Measured by its ability to inhibit FGF-acidic dependent proliferation of Balb/c 3T3 mouse fibroblasts. The ED₅₀ for this effect is typically 0.605-2.42 ng/mL.

Target Details

Target:	FGFR1
Alternative Name:	FLT-2/FGFR-1/CD331 (FGFR1 Products)
Background:	FGFR1,BFGFR,CD331,CEK,ECCL,FGFBR,FGFR-1,FLG,FLT-2,FLT2,HBGFR,HH2,HRTFDS,KAL2,N-SAM,OGD,bFGF-R-1
Gene ID:	2260
UniProt:	P11362-1
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Sensory Perception of Sound , Stem Cell Maintenance , S100 Proteins

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.