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Datasheet for ABIN7520005 FGF6 Protein

Overview

Quantity:	20 µg
Target:	FGF6
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Active Recombinant Human FGF-6 Protein
Sequence:	GTRANNTLLD SRGWGTLLSR SRAGLAGEIA GVNWESGYLV GIKRQRRLYC NVGIGFHLQV LPDGRISGTH EENPYSLLEI STVERGVVSL FGVRSAFVA MNSKGRLYAT PSFQEECKFR ETLLPNNYNA YESDLYQGTY IALSKYGRVK RGSKVSPIMT VTHFLPRI
Specificity:	Gly41-Ile208
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human FGF6 Protein at 1 µg/mL (100 µL/well) can bind FGFR4 with a linear range of 1.95-97.8 ng/mL.

Target Details

Target:	FGF6
Alternative Name:	FGF-6 (FGF6 Products)

Target Details

Background:	<p>Description: FGF6, also known as FGF-6, belongs to the fibroblast growth factor (FGF) family. Members of this family possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF6 plays an important role in the regulation of cell proliferation, cell differentiation, angiogenesis and myogenesis. It is also required for normal muscle regeneration. FGF6 gene displayed oncogenic transforming activity when transfected into mammalian cells.</p> <p>Name: FGF6,HBGF-6,HST2</p>
Gene ID:	2251
UniProt:	P10767
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Restrictions:	For Research Use only
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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.