

Datasheet for ABIN7519995 **FGF12 Protein (His tag)**

[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	FGF12
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FGF12 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human FGF-12 Protein
Sequence:	MESKEPQLKG IVTRLFSQQG YFLQMHPDGT IDGTDKDNSD YTLFNLIPVG LRVVAIQGVK ASLYVAMNGE GYLYSSDVFT PECKFKESVF ENYYVIYSST LYRQQESGRA WFLGLNKEGQ IMKGNRVKKT KPSSHFPVKP IEVCMYREPS LHEIGEKQGR SRKSSGTPTM NGGKVVNQDS T
Specificity:	Met1-Thr181
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized recombinant human FGFR4 at 5 µg/mL (100 µL/well) can bind recombinant human FGF12 with a linear range of 35-100 ng/mL.

Target Details

Target:	FGF12
Alternative Name:	FGF-12 (FGF12 Products)
Background:	<p>Description: The protein 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, tissue repair, tumor growth, and invasion. This growth factor lacks the N-terminal signal sequence present in most of the FGF family members, but it contains clusters of basic residues that have been demonstrated to act as a nuclear localization signal. When transfected into mammalian cells, this protein accumulated in the nucleus, but was not secreted.</p> <p>Name: FGF12,EIEE47,FGF12B,FHF1</p>
Gene ID:	2257
UniProt:	P61328
Pathways:	Negative Regulation of Transporter Activity

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, 1 mM DTT, 300 mM NaCl, pH 7.4.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>