Datasheet for ABIN7318477

FGF12 Protein

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Overview

Quantity:	50 µg
Target:	FGF12
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Human FGF-12/FGF12 Protein (Active)
Sequence:	Met 1-Thr181
Characteristics:	Recombinant Human Fibroblast Growth Factor 12 is produced by our E.coli expression system and the target gene encoding Met1-Thr181 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human FGF-12 at 2ug/ml(100 µl/well) can bind Human FGFR3-Fc(Cat: PKSH033678). The ED50 of Human FGF-12 is 1.27 ug/ml .

Target Details

Target:	FGF12
Alternative Name:	FGF-12/FGF12 (FGF12 Products)

Target Details

Background:	Background: Fibroblast Growth Factor 12 (FGF-12) is a member of the fibroblast growth factor (FGF) family. FGF-12 is probably involved in nervous system development and function. FGF-12 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 transfectedinto mammalian cells, this protein accumulated in the nucleus, but was not secreted. The specific function of this gene has not yet been determined. Two alternatively spliced transcript variants encoding distinct isoforms have been reported. Synonym: Fibroblast Growth Factor 12, FGF-12, Fibroblast Growth Factor Homologous Factor 1, FHF-1, Myocyte-Activating Factor, FGF12, FGF12B, FHF1
Molecular Weight:	20.5 kDa
Pathways:	Negative Regulation of Transporter Activity

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 5 mM EDTA, pH 7.5.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	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.