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Datasheet for ABIN1096663 FGF12 Protein (AA 1-181)

Overview

Quantity:	50 µg
Target:	FGF12
Protein Characteristics:	AA 1-181
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Fibroblast Growth Factor 12/FGF-12
Sequence:	MESKEPQLKG IVTRLFSQQG YFLQMHPDGT IDGTKDENS YTLFNLIPVG LRVVAIQGVK ASLYVAMNGE GYLYSSDVFT PECKFKESVF ENYYVIYSST LYRQQESGRA WFLGLNKEGQ IMKGNRVKKT KPSSHFPKPK IEVCMYREQS LHEIGEKQGR SRKSSGTPTM NGGKVVNQDS T
Characteristics:	Recombinant Human Fibroblast Growth Factor 12/FGF-12 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Thr181) of Human FGF-12.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

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

Target Details

Background:	<p>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 transfected into 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.</p> <p>Alternative Names: Fibroblast Growth Factor 12, FGF-12, Fibroblast Growth Factor Homologous Factor 1, FHF-1, Myocyte-Activating Factor, FGF12, FGF12B, FHF1</p>
Molecular Weight:	20.45 kDa
UniProt:	P61328
Pathways:	Negative Regulation of Transporter Activity

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 5 mM EDTA, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months