

## Product datasheet for **AR09110PU-L**

### FGF12 (1-181, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	FGF12 (1-181, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MESKEPQLKG IVTRLFSQQG YFLQMHPDGT IDGTKDENSD YTLFNLIPVG LRVVAIQGVK ASLYVAMNGE GYLYSSDVFT PECKFKESVF ENYYVIYSST LYRQQESGRA WFLGLNKEGQ IMKGNRVKKT KPSSHFPKP IEVCMYREQS LHEIGEKGQR SRKSSGTPTM NGGKVNQDS T
Tag:	His-tag
Predicted MW:	22.6 kDa
Concentration:	lot specific
Purity:	>90% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 7.5, 10% glycerol, 1 mM DTT, 2 mM EDTA
Preparation:	Liquid purified protein
Protein Description:	Recombinant human FGF12 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_004104</a>
Locus ID:	2257
UniProt ID:	<a href="#">P61328</a> , <a href="#">P61328-2</a>
Cytogenetics:	3q28-q29
Synonyms:	DEE47; EIEE47; FGF12B; FHF1



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**Summary:**

The protein encoded by this gene 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. The specific function of this gene has not yet been determined. [provided by RefSeq, Dec 2019]

**Protein Families:**

Secreted Protein

**Protein Pathways:**

MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

**Product images:**