

## Product datasheet for **TP315868M**

### FGF12 (NM\_021032) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human fibroblast growth factor 12 (FGF12), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215868 representing NM_021032 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAAAIASSLIRQKRQARESNSDRVSASKRRSSPSKDGRSLCERHVLGVFSKVRFCSGRKRPPVRRRPEPQL  
KGIVTRLFSQQGYFLQMHPDGTIDGTDKENS DYTLFNLPVGLRVVAIQGVKASLYVAMNGEGYLYSSDV  
FTPECKFKESVFENYYIYSSTLYRQQESGRAWFLGLNKEGQIMKGNRVKKT KPSSHFPKPIEVCMYRE  
PSLHEIGEKGGRSRKSSGTPTMNGGKVVNQDST

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	27.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_066360</a>
Locus ID:	2257



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UniProt ID: [P61328](#)

RefSeq Size: 2817

Cytogenetics: 3q28-q29

RefSeq ORF: 729

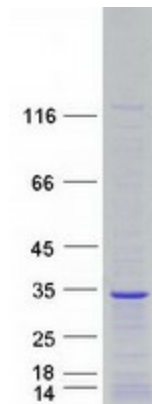
Synonyms: DEE47; EIEE47; FGF12B; FHF1

**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:



Coomassie blue staining of purified FGF12 protein (Cat# [TP315868]). The protein was produced from HEK293T cells transfected with FGF12 cDNA clone (Cat# [RC215868]) using MegaTran 2.0 (Cat# [TT210002]).