

## Product datasheet for **TP728195M**

### Recombinant FGF-16 (Fibroblast growth factor-16), Human

#### Product data:

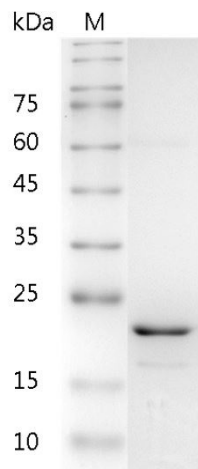
Product Type:	Recombinant Proteins
Description:	Recombinant FGF-16 (Fibroblast growth factor-16), Human
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAEVGGVFASLDWDLHGFSSSLGNVPLADSPGFLNERLGQIEGKLQRGSPTDFAHLKGILRRRQLYCRTG FHLEIFPNGTVHGTTRHDHSRFGILEFISLAVGLISIRGVDSGLYLGMMNERGELYGSKKLTRECVFREQFEENW YNTYASTLYKHSDSERQYYVALNKDGSPPREGYRTRKHQKFTHFLPRPV DPSKLPMSR DLFHYR with polyhistidine tag at the C-terminus.
Tag:	His Tag (C-term)
Predicted MW:	The protein has a calculated MW of 24.57 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>95% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4.
Bioactivity:	Measure by its ability to induce 3T3 cells proliferation. The ED <sub>50</sub> for this effect is <31 ng/mL. The specific activity of recombinant human FGF-16 is > 3 x 10 <sup>4</sup> IU/mg.
Endotoxin:	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
Applications:	Cell culture
Storage:	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
UniProt ID:	<a href="#">O43320</a>
Synonyms:	FGFG



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**Summary:**

Fibroblast Growth Factors-16 (FGF-16) is a 23.8 kDa member of the fibroblast Growth Factors with 207 amino acid residues. FGF-16 is mainly expressed from melanocytes, fibroblasts. FGF-16 involved embryonic development, cell proliferation and cell differentiation, and is required for normal cardiomyocyte proliferation and heart development.

**Product images:**

SDS- PAGE analysis of recombinant human FGF-16