

## Product datasheet for **TP728206M**

### Recombinant FGF-5 (Fibroblast growth factor-5), Human

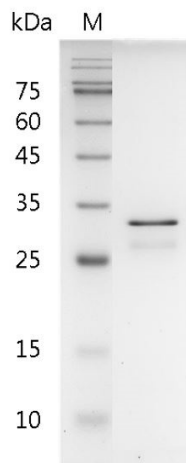
#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant FGF-5 (Fibroblast growth factor-5), Human
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAWAHGEKRLAPKGQPGPAATDRNPIGSSSRQSSSSAMSSSSASSSPAASLGSQGSGLEQSSSFQWSPSG RRTGSLYCRVGIGFHLQIYPDGKVNGSHEANMLSVLEIFAVSQGIVGIRGVFSNKFLAMSKKGKLHASAKFT DDCKFRERFQENSNTYASAIHRTEKTGREWYVALNKRKGAKRGCSPRVKPQHISTHFLPRFKQSEPELS FTVTVPEKKNPPSPIKSK IPLSAPRKNT NSVKYRLKFR FG with polyhistidine tag at the C-terminus.
Tag:	His Tag (C-term)
Predicted MW:	The protein has a calculated MW of 28.46 kDa. The protein migrates as 34 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 8.0.
Bioactivity:	Measure by its ability to induce 3T3 cells proliferation. The ED <sub>50</sub> for this effect is <0.7 ng/mL. The specific activity of recombinant human FGF-5 is > 1.4 x 10 <sup>6</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="#">P12034</a>
Synonyms:	HBGF-5, Smag-82


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**Summary:**

Fibroblast Growth Factors-5 (FGF-5) is a 29.6 kDa member of the fibroblast Growth Factors with 268 amino acid residues. FGF-5 have an important role in the regulation of cell proliferation and cell differentiation. In physiological function, FGF5 is a crucial regulator of hair growth in humans.

**Product images:**


SDS- PAGE analysis of recombinant human FGF-5