

## Product datasheet for **TP723090**

### FGF10 (NM\_004465) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human fibroblast growth factor 10 (FGF10).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MLGQDMVSPE ATNSSSSSFS SPSSAGRHRVY SYNHLQGDVR WRKLFSTFKY FLKIEKNGKV SGTKKENCYPY SILEITSVEI GVVAVKAINS NYLAMNKKG KLYGSKEFNN DCKLKERIEE NGYNTYASFN WQHNGRQMYV ALNGKGGAPRR GQKTRRKNTS AHFLPMVHVS
Tag:	Tag Free
Predicted MW:	19.3 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	ED50 as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF- receptors is less than or equal to 0.5 ng/ml, corresponding to a specific activity of > 2 x 10 <sup>6</sup> units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_004456</a>
Locus ID:	2255
UniProt ID:	<a href="#">O15520</a>
RefSeq Size:	627
Cytogenetics:	5p12
RefSeq ORF:	624



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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 protein exhibits mitogenic activity for keratinizing epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. Studies of the mouse homolog of suggested that this gene is required for embryonic epidermal morphogenesis including brain development, lung morphogenesis, and initiation of limb bud formation. This gene is also implicated to be a primary factor in the process of wound healing. [provided by RefSeq, Jul 2008]

**Protein Families:**

Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein, Transcription Factors, Transmembrane

**Protein Pathways:**

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

**Product images:**