

Product datasheet for **TP723101**

FGF8 (NM_033163) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human fibroblast growth factor 8 (androgen-induced) (FGF8), transcript variant F.
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MQVTVQSSPN FTQHVREQLS VTDQLSRRLI RTYQLYSRTS GKHVQVLANK RINAMAEDGD PFAKLIVETD TFGSRVRVRG AETGLYICMN KKGKLIKSN GKGKDCVFTE IVLENNYTAL QNAKYEGWYM AFTRKGRPRK GSKTRQHORE VHFMKRLPRG HHTTEQSLRF EFLNYPFTR SLRGSQRTWA PEPR
Tag:	Tag Free
Predicted MW:	22.5 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20 mM phosphate buffer, 100 mM NaCl, pH 7.2
Bioactivity:	Determined by a cell proliferation assay using Balb/c 3T3 cells. The expected ED50 is \leq 5 ng/ml, corresponding to a specific activity of \geq 2 x 10 ⁵ units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_149353
Locus ID:	2253
UniProt ID:	P55075
RefSeq Size:	1107
Cytogenetics:	10q24.32
RefSeq ORF:	732
Synonyms:	AIGF; FGF-8; HBGF-8; HH6; KAL6



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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 is known to be a factor that supports androgen and anchorage independent growth of mammary tumor cells. Overexpression of this gene has been shown to increase tumor growth and angiogenesis. The adult expression of this gene is restricted to testes and ovaries. Temporal and spatial pattern of this gene expression suggests its function as an embryonic epithelial factor. Studies of the mouse and chick homologs revealed roles in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination. The alternative splicing of this gene results in four transcript variants. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

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

Product images: