FGF5 (Human) Recombinant Protein

Catalog # P8601 Size 50 ug

Specification

Product Description	Human FGF5 recombinant protein expressed in *Escherichia coli*.
Sequence	MAWAHGEKRLAPKGQPGPAATDRNPRGSSSRQSSSSAMSSSSASSSPAASLGSQGSGLEQS SFQWSPSGRRTGSLYCRVGIGFHLQIYPDGKVNGSHEANMLSVLEIFAVSQGIVGIRGVFSNKFLA MSKKGKLHASAKFTDDCKFRERFQENSYNTYASAIHRTEKTGREWYVALNKRGKAKRGCSPRVK PQHISTHFLPRFKQSEQPELSFTVTVPEKKKPPSPIKSKIPLSAPRKNTNSVKYRLKFRFG
Host	Escherichia coli
Theoretical MW (kDa)	27.7
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	chromatography
Purity	> 95% as determined by SDS-PAGE.
Storage Buffer	Lyophilized from a solution containing 10mM sodium phosphate, pH 7.5, 100mM sodium chloride. Reconstitute the lyophilized powder in ddH_2O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — FGF5

Entrez GeneID	2250
Protein Accession#	P12034
Gene Name	FGF5
Gene Alias	HBGF-5, Smag-82
Gene Description	fibroblast growth factor 5
Omim ID	165190
Gene Ontology	Hyperlink
Gene 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 gene was identified as an oncogene, which confers transforming potential when transfected into mammalian cells. Targeted disruption of the homolog of this gene in mouse resulted in the phenotype of abnormally long hair, which suggested a function as an inhibitor of hair elongation. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq
Other Designations	heparin-binding growth factor 5

Pathway

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

Disease

- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Genetic Predisposition to Disease
- Head and Neck Neoplasms

- Hypertension
- Neoplasm Recurrence
- Neoplasms