

## Active Recombinant Human FGF5 Protein

Cat. No. FGF5-039H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The mature recombinant human FGF-5 protein consists of 243 amino acids (26-268) without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	26-268 a.a.
<b>Description</b>	<p>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.</p>
<b>Bio-activity</b>	Measured in a cell proliferation assay using NR6R3T3 mouse fibroblast cells. The ED50 for this effect is 2-10 ng/mL in the presence of 1 µg/mL of heparin.
<b>Molecular Mass</b>	27 kDa
<b>Product-Related</b>	26-268

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Proteins</b>	
<b>Endotoxin</b>	< 0.1 EU/μg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	At -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	PBS

## GENE INFORMATION

<b>Gene Name</b>	FGF5 fibroblast growth factor 5 [ Homo sapiens (human) ]
<b>Official Symbol</b>	FGF5
<b>Synonyms</b>	FGF5; fibroblast growth factor 5; HBGF-5; TCMGLY; Smag-82; fibroblast growth factor 5; heparin-binding growth factor 5
<b>Gene ID</b>	2250
<b>mRNA Refseq</b>	NM_004464
<b>Protein Refseq</b>	NP_004455
<b>MIM</b>	165190
<b>UniProt ID</b>	P12034

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