Bioactive

FGF16 (Human) Recombinant Protein

Catalog # P8615 Size 25 ug

Specification

Product Description	Human FGF16 recombinant protein dexpressed in *Escherichia coli*.
Sequence	AEVGGVFASLDWDLHGFSSSLGNVPLADSPGFLNERLGQIEGKLQRGSPTDFAHLKGILRRRQLY CRTGFHLEIFPNGTVHGTRHDHSRFGILEFISLAVGLISIRGVDSGLYLGMNERGELYGSKKLTRECV FREQFEENWYNTYASTLYKHSDSERQYYVALNKDGSPREGYRTKRHQKFTHFLPRPVDPSKLPS MSRDLFHYR
Host	Escherichia coli
Theoretical MW (kDa)	23.6
Form	Liquid
Preparation Method	Rice Grain expression system
Purification	chromatography
Activity	ED_{50} < 0.5 ng/mL, measured by t thymidine uptake assay using FGF-receptors transfected BaF3 cel ls expressing FGF receptors, corresponding to a Specific Activity of > 2 x 10^6Units/mg.
Surface Modification	Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Storage Buffer	Solution in 20mM Tris-HCl buffer (pH 9.0) cantaining 10% Glycerol, 1M NaCl, 0.2% Tween-20.
Storage Instruction	Stored at 4°C for 2-4 weeks, should be stored at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

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Gene Info — FGF16

Entrez GeneID	8823
Protein Accession#	O43320
Gene Name	FGF16
Gene Alias	-
Gene Description	fibroblast growth factor 16
Omim ID	603724
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. The rat homolog is predominantly expressed in embryonic brown adipose tissue and has significant mitogenic activity, which suggests a role in proliferation of embryonic brown adipose tissue. [provided by RefSeq
Other Designations	-

Pathway

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

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