Bioactive

FGF16 (Human) Recombinant Protein

Catalog # P7487 Size 10 ug

Specification

Product Description	Human FGF16 (O43320, 2 a.a. - 207 a.a.) partial recombinant protein expressed in CHO cells.
Sequence	AEVGGVFASLDWDLHGFSSSLGNVPLADSPGFLNERLGQIEGKLQRGSPTDFAHLKGILRRRQLY CRTGFHLEIFPNGTVHGTRHDHSRFGILEFISLAVGLISIRGVDSGLYLGMNERGELYGSKKLTRECV FREQFEENWYNTYASTLYKHSDSERQYYVALNKDGSPREGYRTKRHQKFTHFLPRPVDPSKLPS MSRDLFHYR
Host	Mammals
Theoretical MW (kDa)	~ 23
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purity	> 95% as analyzed by SDS-PAGE. > 95% as analyzed by HPLC.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Activity	EC_{50} of human GCP-2/CXCL6 < 20.0 ng/mL, measured in a cell proliferation assay using 3T3 mouse fibroblast cells.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, 5mM EDTA, pH 7.5. Reconstitute the lyophilized powder in ddH_2O up to 100 ug/mL.
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

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- Functional Study
- SDS-PAGE

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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