



Recombinant Human FGF-16

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-023S
Size:	5 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	8823
Synonyms:	FGF16; FGF-16

FGF-16 is a heparin binding growth factor that is a member of the FGF family. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-16 signals through FGFR 2c and 3c. FGF-16 plays a role in the development of the central nervous system. Recombinant human FGF-16 is a 23.7 kDa protein consisting of 207 amino acid residues.

Sequence

```
AEVGGVFAS LDWDLHGFSS SLGNVPLADS PGFLNERLGQ  
IEGKLQRGSP TDFAHKLGIL RRRQLYCRTG FHLEIFPNGT  
VHGTRHDHSR FGILEFISLA VGLISIRGVD SGLYLGMMNER  
GELYGSKKLT RECVFREQFE ENWYNTYAST LYKHSDSERQ  
YYVALNKDGS PREGYRTRKH QKFTHFLPRP VDPSKLPSMS RDLFHYP
```

Database References

Protein RefSeq:	NP_003859
Uniprot ID:	O43320
mRNA RefSeq:	NM_003868

Product Specifications

Expressed in	E. coli
Purity	> 95% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	207
MW:	23.7 kDa

Biological Activity: The biological activity was determined by the FGF-10-induced proliferation of 4MBr-5 cells.



AVOID REPEATED FREEZE AND THAW CYCLES!