

FGF-basic 147, human recombinant protein**FGFB****Catalog # PBV10060r****Specification**

FGF-basic 147, human recombinant protein - Product info

Primary Accession

[P09038](#)

Calculated MW

16.5 kDa KDa**FGF-basic 147, human recombinant protein - Additional Info**

Gene ID

2247

Gene Symbol

FGF2**Other Names**

FGF2, HBGF-2, Prostatropin, Basic fibroblast growth factor, Heparin-binding growth factor 2

Gene Source

Human

Source

E. coli

Assay&Purity

SDS-PAGE; ≥97%

Assay2&Purity2

HPLC;

Recombinant

Yes

Results

0.67-1.45 ng/ml

Sequence

**MPALPEDGGS GAFPPGHFKD PKRLYCKNGG
FFLRIHPDGR VDGVREKSDP HIKLQLQAE
RGVVSIGVC ANRYLAMKED GRLLASKCVT
DECFFFERLE SNNYNTYRSR KYTSWYVALK
RTGQYKLGSK TGPGQKAILF LPMSAKS****Target/Specificity**

FGF-basic 147

Application Notes

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.

Format

Lyophilized protein

Storage-20°C; Lyophilized from a 10 mM Na₂PO₄, pH 8.0.**FGF-basic 147, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FGF-basic 147, human recombinant protein - Images

FGF-basic 147, human recombinant protein - Background

Fibroblast Growth Factors, FGFs, are a 22 member family of proteins known to be involved in angiogenesis, wound healing and embryonic development. As a family, they bind to heparin and signal through four receptor tyrosine kinases called, FGFR1, 2, 3 and 4. Although the mechanism remains unclear, FGF-basic 147 (variant of FGF basic 154) is a critical component in keeping embryonic stem cells undifferentiated in cell culture systems. Recombinant human FGF-b 147 (FGF-2) is a non-glycosylated protein, containing 147 amino acids, and having a molecular mass of 16.5 kDa.

FGF-basic 147, human recombinant protein - References

Abraham J.A., et al. Cold Spring Harb. Symp. Quant. Biol. 51:657-668(1986).
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Prats H., et al. Proc. Natl. Acad. Sci. U.S.A. 86:1836-1840(1989).
Goshima N., et al. Nat. Methods 5:1011-1017(2008).
Hillier L.W., et al. Nature 434:724-731(2005).