

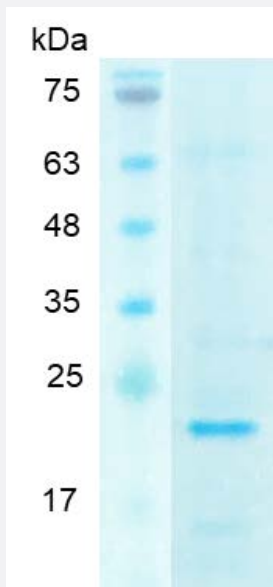
Bioactive

# FGF3 (Human) Recombinant Protein

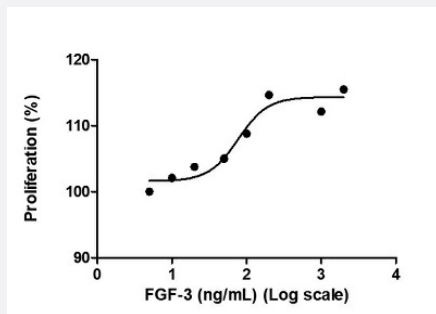
Catalog # P7845

Size 20 ug

## Applications



SDS-PAGE analysis of FGF3 (Human) Recombinant Protein.



## Result of activity analysis

Result of activity analysis

## Specification

### Product Description

Human FGF3 recombinant protein with polyhistidine tag at the C-terminus expressed in *Escherichia coli*.

### Sequence

MDAGGRGGVYEHLLGGAPRRRKLYCATKYHLQLHPSGRVNGSLENSAYSILEITAVEVGVAIRGLFSGRYLAMNKRGRLYASEHYSAECEVERIHELGYNTYASRLYRTVSSTPGARRQPSAERLWYVSVNGKGRPRRGFKTRRTQKSSLFLPRVLDHRDHEMVRQLQSGLPRPPGKGVQPRRRR with polyhistidine tag at the C-terminus.

Host	Escherichia coli
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ni-NTA chromatography
Purity	> 95% as determined by SDS-PAGE.
Endotoxin Level	< 0.1 EU/ ug of protein by the LAL method.
Activity	ED <sub>50</sub> < 78 ng/mL, Measured by the induction of 3T3 cells proliferation.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of FGF3 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a solution containing 1X PBS, pH 7.4. Reconstitute the lyophilized powder in ddH <sub>2</sub> O to 100 ug/mL.
Storage Instruction	Lyophilized protein should be stored at -20°C. Protein aliquots should be stored at -20°C to -80°C. The product is stable for one year. Avoid repeated freeze/thaw cycles.
Note	Result of activity analysis Result of activity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — FGF3

Entrez GeneID	<a href="#">2248</a>
Gene Name	FGF3
Gene Alias	HBGF-3, INT2

Gene Description	fibroblast growth factor 3 (murine mammary tumor virus integration site (v-int-2) oncogene homolog)
Omim ID	<a href="#">164950 610706</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<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 by its similarity with mouse fgf3/int-2, a proto-oncogene activated in virally induced mammary tumors in the mouse. Frequent amplification of this gene has been found in human tumors, which may be important for neoplastic transformation and tumor progression. Studies of the similar genes in mouse and chicken suggested the role in inner ear formation. [provided by RefSeq]</p>
Other Designations	INT-2 proto-oncogene protein V-INT2 murine mammary tumor virus integration site oncogene homolog fibroblast growth factor 3 murine mammary tumor virus integration site 2, mouse oncogene INT2

## Pathway

- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)