

# OsrhbFGF

## Recombinant Human basic Fibroblast Growth Factor

Lyophilized powder



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### Introduction

Basic fibroblast growth factor, also known as bFGF, FGF2 or FGF- $\beta$ , is a member of the fibroblast growth factor family. It is a single-chain polypeptide growth factor that plays a significant role in the process of promoting cell proliferation, inhibiting cell apoptosis, expediting wound healing and inducing angiogenesis. It is also a very potent inducer of DNA synthesis in a variety of cell types from mesoderm and neuroectoderm lineages. The OsrhbFGF, expressed in the rice endosperm platform and purified by chromatography, is animal component free and has high biological activity. The rice endosperm platform makes the manufacture capability at hundreds of gram scales to meet your bulk bioprocessing needs.

### Specification

- **Source:** Rice Grain (*Oryza Sativa*)
- **Appearance:** White or off-white loose body
- **Molecular weight:** 17 kDa
- **Purity:**  $\geq 95.0\%$  by SDS-PAGE
- **Activity:**  $\geq 1.0 \times 10^6$  IU/mg by a cell proliferation assay using Bal B/C 3T3 cell
- **Endotoxin:**  $< 1.0$  EU/ $\mu$ g

### Preparation and Storage

- **Reconstitution:** Recommend to reconstitute OsrhbFGF at 100-200  $\mu$ g/ml in sterile water. After the lyophilized powder is completely reconstituted, filter it with a 0.22  $\mu$ m filter. Further dilutions

can be made in other aqueous buffer.

- **Storage:** Stored at temperature  $-20^{\circ}\text{C}$  for at least 36 months.

**Please avoid repeated freeze-thaw cycles.**

### Related Products

| Cat.No.   | Product Name                    |
|-----------|---------------------------------|
| HYC002C01 | OsrHSA Premium, powder          |
| HYC002C02 | OsrHSA Premium, liquid          |
| HYC002M01 | OsrHSA Advanced, powder         |
| HYC002R01 | OsrHSA Precise, powder          |
| HYC028M01 | OsrHSA, Fatty acid free, liquid |
| HYC021M01 | OsrhFN, powder                  |
| HYC044M01 | OsrhTF, powder                  |
| HYC026M01 | OsrhVEGF, powder                |
| HYC027M01 | OsrhKGF, powder                 |
| HYC020M01 | rhEGF, powder                   |
| HYC007M01 | rhIGF-1 LR3, powder             |
| HYC006M01 | OsrhAAT, powder                 |
| HYC004M01 | OsrhLF, powder                  |
| HYC042R01 | OsrhLYZ, powder                 |
| HYC052R01 | OsrCSA, liquid                  |
| HYC053R01 | OsrFSA, liquid                  |

**FOR RESEARCH, LABORATORY AND MANUFACTURE USE ONLY. NOT INTENDED FOR DIRECT USE ON HUMANS.**

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