



Recombinant Human basic Fibroblast Growth Factor, OsrbFGF Lyophilized Powder

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Source: Rice Grain (*Oryza Sativa*)

Catalog No. : HYC005M01

Introduction

Basic fibroblast growth factor, also known as bFGF, FGF2 or FGF- β , 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.

Specification

Physical Appearance: White lyophilized powder

Purity: Greater than 95% as determined by SDS-PAGE.

Biological activity: The bioactivity determined by a cell proliferation assay using Balb/c 3T3, corresponding to a specific activity of $\geq 1 \times 10^6$ Units/mg.

Endotoxin: Less than 1EU/ μ g

Preparation and Storage

Reconstitution: It is recommended to reconstitute OsrbFGF at 100-200ug/ml in sterile water. Further dilutions can be made in other aqueous buffer.

Stability and Storage: Lyophilized OsrbFGF can remain stable at -20°C for at least 36 months. Upon reconstitution OsrbFGF should be stored at 4°C for 1 month and for future use at -20°C.

Please avoid repeated freeze-thaw cycles.

Features and Benefits

Scalable: The manufacture capability at multi-gram scales to meet your bulk processing needs.

Stability and Activity in Culture: Providing consistent performance in cell culture media with lower cost and time consuming, especially in bioprocessing.