

Active Recombinant Human FGF2 protein

Cat. No. FGF2-014O **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF2 was expressed in Oryza Sativa (Rice Grain).
Species	Human
Source	Oryza Sativa
Description	Basic fibroblast growth factor (bFGF) 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 protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis.
Form	Lyophilized Powder
Bio-activity	$\geq 1.0 \times 10^6$ IU/mg
Molecular Mass	17 kDa
Endotoxin	<1EU/ μ g
Purity	$\geq 95\%$ SDS-PAGE
Storage	Stored at -20°C.

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Reconstitution

It is recommended to re-dissolve the OsrhbFGF freeze-dried powder in sterile water to a concentration of 100-200 µg/ml. Other solvents can be used for further dilution. The dissolved OsrhbFGF can be stored at 4°C for 2-7 days. It should be used up as soon as possible. If not used for a short period, it should be stored at -20°C.

GENE INFORMATION

Gene Name	FGF2 fibroblast growth factor 2 (basic) [Homo sapiens]
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Official Symbol	FGF2
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Synonyms	FGF2; fibroblast growth factor 2 (basic); FGFB; fibroblast growth factor 2; prostatropin; heparin-binding growth factor 2; basic fibroblast growth factor bFGF; BFGF; FGF-2; HBGF-2;
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Gene ID	2247
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mRNA Refseq	NM_002006
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Protein Refseq	NP_001997
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MIM	134920
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UniProt ID	P09038
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PDB rendering
based on 1bas.

