

RELIATech GmbH
Lindenerstr. 15
38300 Wolfenbüttel
Germany

Tel.: +49 5331 8586 987
Fax.: +49 5331 8586 989
Email: info@reliatech.de
web: www.reliatech.de

Recombinant Murine FGF-2

Description: FGF-basic is one of 23 known members of the FGF family. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-basic is a non-glycosylated heparin binding growth factor that is expressed in the brain, pituitary, kidney, retina, bone, testis, adrenal gland liver, monocytes, epithelial cells and endothelial cells. FGF-basic signals through FGFR 1b, 1c, 2c, 3c and 4. Recombinant murine FGF-basic is a 16.2 kDa protein consisting of 145 amino acid residues.

Source:	E. coli
Molecular Weight:	16.2 kDa
Purity:	> 98% by SDS-PAGE
Endotoxin level:	< 0.1 ng per µg of FGF-2
Stabilizer:	none
Formulation:	lyophilized

Biological Activity:

Assay #1: The ED_{50} as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is < 0.1ng/ml corresponding to a specific activity of > 1×10^7 units/mg.

Assay #2: The ED_{50} was determined by a cell proliferation assay using balb/c 3T3 cells is ≤ 1.0 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^6$ units/mg.

Stability: The lyophilized protein is stable for at least 2 years from date of receipt at $-20^{\circ}C$. Reconstituted FGF-basic is stable for at least 3 months when stored in working aliquots with a carrier protein at $-20^{\circ}C$.

Avoid repeated freeze-thaw cycles.

Usage: Murine FGF-2 offered for research use. Not for drug use. **Not for human use.**

Catalogue number: M10-115

Size: 50 µg

****please note: always centrifuge product before opening Vial.****