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## Datasheet for ABIN2017864 FGF2 Protein (AA 10-154)

### Overview

Quantity:	50 µg
Target:	FGF2
Protein Characteristics:	AA 10-154
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Characteristics:	ED50 < 0.5 ng/mL, measured by a cell proliferation assay using 3T3 Cells, corresponding to a specific activity of > 2.0x 10 <sup>6</sup> units/mg. AA 10 -154, expressed with an N-terminal Met.
Purity:	> 95 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

### Target Details

Target:	FGF2
Alternative Name:	Fibroblast Growth Factor-Basic (FGF-Basic) ( <a href="#">FGF2 Products</a> )
Background:	Fibroblast Growth Factor-basic (FGF-basic), also known as HBGF-2, is a non-glycosylated heparin-binding growth factor that belongs to the FGF family. FGF-basic is present in basement membranes and in the subendothelial extracellular matrix of blood vessels. FGF-basic signals

## Target Details

through FGFR1, 2, 3 and 4 that plays an important role in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. Recombinant mouse Fibroblast Growth Factor-basic (rmFGF-basic) produced in E. coli is a single non-glycosylated polypeptide chain containing 146 amino acids. A fully biologically active molecule, rmFGF-basic has a molecular mass of 16.4 kDa analyzed by reducing SDS-PAGE.

Synonyms: Fibroblast Growth Factor-basic, FGF-2, HBGF-2, Prostatropin, BFGF, FGFB,

Molecular Weight: 16.4 kDa, observed by reducing SDS-PAGE.

UniProt: [P15655](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [C21-Steroid Hormone Metabolic Process](#), [Inositol Metabolic Process](#), [Glycosaminoglycan Metabolic Process](#), [Protein targeting to Nucleus](#), [S100 Proteins](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH<sub>2</sub>O at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant mouse Fibroblast Growth Factor-basic (rmFGF-basic) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rmFGF-basic should be stable up to 2 weeks at 4 °C or up to 3 months at -20 °C.

Expiry Date: 6 months