

[Go to Product page](#)

## Datasheet for ABIN2745668 FGF1 Protein (AA 16-155)

### Overview

Quantity:	3 x 10 µg
Target:	FGF1
Protein Characteristics:	AA 16-155
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

### Product Details

Cross-Reactivity:	Mouse (Murine)
Characteristics:	Mouse FGF-1 (aa 16-155) is untagged.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

### Target Details

Target:	FGF1
Alternative Name:	FGF-1 ( <a href="#">FGF1 Products</a> )
Background:	Fibroblast growth factors (FGFs) constitute a family of heparin-binding polypeptides involved in the regulation of biological responses such as growth, differentiation and angiogenesis. The biological effects of FGFs are mediated by four structurally related receptor tyrosine kinases denoted FGFR1, FGFR2, FGFR3 and FGFR4. FGF-1 is a powerful mitogen of cells of

## Target Details

mesodermal, ectodermal and endodermal origin. FGF-1 association with heparan sulfate is a prerequisite for activation of FGF receptors. FGF-1 plays a role in various stages of development and morphogenesis as well as in angiogenesis and wound healing processes. Recent data indicate a role of FGF-1 in inflammation and obesity. FGF-1 is selectively induced in fat cells by high-fat diet feeding and established the PPARgamma-FGF-1 axis as a critical pathway that regulates adipose tissue remodeling.

Molecular Weight: ~16kDa

UniProt: [P61148](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstitute with 100 µL sterile water.

Concentration: Lot specific

Buffer: Lyophilized. In PBS containing 0.2 mM DTT.

Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C  
Long Term Storage: -20°C  
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months