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Datasheet for ABIN2745666 FGF1 Protein (AA 16-155)



Overview

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

Product Details

Cross-Reactivity:	Human
Characteristics:	Human 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 (FGF1 Products)
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

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Target Details

l'alget 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:	P05230
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.
Expin/Data:	6 months

Expiry Date:

6 months

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