

Datasheet for ABIN7539324 **FGF2 Protein**



Overview

Quantity:	10 µg
Target:	FGF2
Origin:	Pig
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Product Details	
Purpose:	FGF-2 (basic)
Sequence:	AAGSITTLPA LPEDGGSGAF PPGHFKDPKR LYCKNGGFFL RIHPDGRVDG VREKSDPHIK LQLQAEERGV VSIKGVCANR YLAMKEDGRL LASKCVTDEC FFFERLESNN YNTYRSRKYS SWYVALKRTG QYKLGPKTGP GQKAILFLPM SAKS
Characteristics:	Length (aa):145
Purity:	> 98 % by SDS-PAGE
Endotoxin Level:	< 0.1 ng per µg of porcine FGF-2

Target Details

Target:	FGF2
Alternative Name:	FGF-2 (FGF2 Products)
Background:	Fgf2, bFGF, Fgf-2,FGF2 (basic) is one of at least 23 mitogenic proteins of the FGF family, which
	show 35-60 % amino acid conservation. Unlike other FGFs, FGF acidic and basic lack signal

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Molecular Weight:	16.34 kDa
NCBI Accession:	NM_174056, NP_776481
UniProt:	P13109
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

Application Notes:	The ED50 for stimulation of cell proliferation in human umbilical vein endothelial cells (HUVEC) by porcine FGF-2 has been determined to be in the range of 0.1-2 ng/mL.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	The porcine FGF-2 is supplied in lyophilized form and can be reconstituted with ddH2O at 50 μ g/mL. This solution can be diluted into other buffered solutions or stored frozen for future use. For long term storage we would recommend to add at least 0.1 % human or bovine serum

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Handling

	albumin.
Buffer:	0.5X PBS
Storage:	RT,-20 °C,-80 °C
Storage Comment:	The lyophilized porcine FGF-2, though stable at room temperature, is best stored in working aliquots at -20°C to -70°C