

Datasheet for ABIN1047020

FGF5 Protein (AA 18-268, full length) (GST tag)



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1 Image

1 Publication

Overview

Quantity:	100 µg
Target:	FGF5
Protein Characteristics:	AA 18-268, full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGF5 protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	AWAHGEKRLA PKGQPGPAAT DRNPRGSSSR QSSSSAMSSS SASSSPAASL GSQGSGLLEQS SFQWSPSGRR TGSLYCRVGI GFHLQIYPDG KVNGSHEANM LSVLEIFAVS QGIVGIRGVF SNKFLAMSKK GKLHASAKFT DDCKFRERFQ ENSYNTYASA IHRTEKTGRE WYVALNKR GK AKRGCSPRVK PQHISTHFLP RFKQSEQPEL SFTVTVPPEK KPPSPIKPKI PLSAPRKNTN SVKYRLKFRF G
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	FGF5
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Target Details

Alternative Name:	Fibroblast growth factor 5 protein (FGF5 Products)
Background:	Plays an important role in the regulation of cell proliferation and cell differentiation. Required for normal regulation of the hair growth cycle. Functions as an inhibitor of hair elongation by promoting progression from anagen, the growth phase of the hair follicle, into catagen the apoptosis-induced regression phase
Molecular Weight:	55 kD
UniProt:	P12034
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

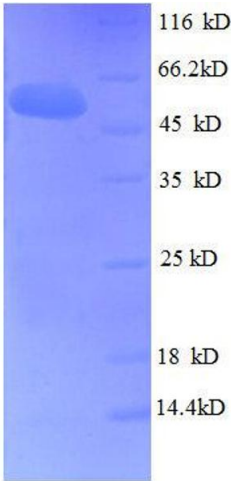
Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Publications

Product cited in: Haub, Drucker, Goldfarb: "Expression of the murine fibroblast growth factor 5 gene in the adult central nervous system." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 87, Issue 20, pp. 8022-6, (1990) ([PubMed](#)).

Images



SDS-PAGE

Image 1. Fibroblast Growth Factor 5 (FGF5) (AA 18-268), (full length) protein (GST tag)