Datasheet for ABIN6699931

FGF4 Protein

Go to Product page

Overview

Quantity:	20 µg
Target:	FGF4
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	Western Blotting (WB)

Product Details

Purpose:	HSF1 recombinant protein
Purification:	Recombinant full length human HSF1 was expressed in E.coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

Target Details

Target:	FGF4
Alternative Name:	FGF4 (FGF4 Products)
Background:	Synonyms: Heat Shock Transcription Factor 1, HSTF1, Fibroblast growth factor 4, Heparin secretory-transforming protein 1, Heparin-binding growth factor 4, Transforming protein KS3, FGF-4, HSTF-1, HST, Transforming protein KS3 Background: HSF1 is a member of the heat shock transcription factor family. Protein-damaging

Target Details

	stress lead to the activation of HSF1 which binds to upstream regulatory sequences in the promoters of heat shock genes leading to enhanced heat shock gene expression (1). The activation of HSF1 proceeds through a multi-step pathway, involving a monomer-to-trimer transition, nuclear accumulation and extensive posttranslational modifications. HSF1 activity is regulated at different levels by heat shock proteins and co-chaperones and is modulated further by a number of mechanisms involving other stress-regulated aspects of cell metabolism (2). HSF1 Protein is ideal for investigators involved in Signaling Proteins, Transcription Proteins, Cancer, Cardiovascular Disease, Cellular Stress, Inflammation, and JNK/SAPK Pathway research.
NCBI Accession:	NM_005526
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Stem Cell Maintenance

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Other: Kinase Assay-User Optimized Application_Note: HSF1 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~96 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	HSF1 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiry Date:	12 months