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Product datasheet for AR50199PU-S

ATF1 (1-271, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ATF1 (1-271, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMEDSHK STTSETAPQP GSAVQGAHIS HIAQQVSSLS ESEESQDSSD SIGSSQKAHG ILARRPSYRK ILKDLSSEDT RGRKGDGENS GVSAAVTSMS VPTPIYQTSS GQYIAIAPNG ALQLASPGTD GVQGLQTLTM TNSGSTQQGT TILQYAQTSD GQQILVPSNQ VVVQTASGDM QTYQIRTTPS ATSLPQTVVM TSPVTLTSQT TKTDDPQLKR EIRLMKNREA ARECRRKKKE YVKCLENRVA VLENQNKTLI EELKTLKDLY SNKSV
Tag:	His-tag
Predicted MW:	31.8 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 50% glycerol, 0.2M NaCl, 2 mM EDTA
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ATF1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_005162
Locus ID:	466
UniProt ID:	P18846
Cytogenetics:	12q13.12
Synonyms:	EWS-ATF1; FUS/ATF-1; TREB36

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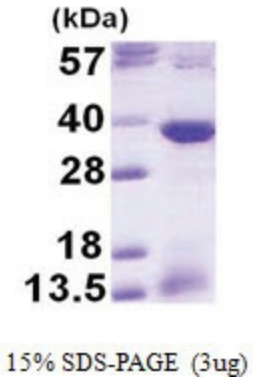
Summary: This gene encodes an activating transcription factor, which belongs to the ATF subfamily and bZIP (basic-region leucine zipper) family. It influences cellular physiologic processes by regulating the expression of downstream target genes, which are related to growth, survival, and other cellular activities. This protein is phosphorylated at serine 63 in its kinase-inducible domain by serine/threonine kinases, cAMP-dependent protein kinase A, calmodulin-dependent protein kinase I/II, mitogen- and stress-activated protein kinase and cyclin-dependent kinase 3 (cdk-3). Its phosphorylation enhances its transactivation and transcriptional activities, and enhances cell transformation. Fusion of this gene and FUS on chromosome 16 or EWSR1 on chromosome 22 induced by translocation generates chimeric proteins in angiomatoid fibrous histiocytoma and clear cell sarcoma. This gene has a pseudogene on chromosome 6. [provided by RefSeq, Aug 2010]

Protein Families: Druggable Genome, Transcription Factors

Product images:



15% SDS-PAGE (3ug)