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**Product Data Sheet**


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Product Name: ATF1 Human  
 Cat. No.: GP22421  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Activating transcription factor 1; cyclic AMP-dependent transcription factor ATF-1; Protein TREB36; EWS-ATF1; FUS/ATF-1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHEMEDSHK STTSETAPQP GSAVQGAHIS HIAQQVSSLS ESEESQDSSD SIGSSQKAHG ILARRPSYRK ILKDLSS EDT RGRKGDGENS GVSAAVTSMS VPTPIYQTSS GQYIAIAPNG ALQLASPGTD GVQGLQTLTM TNSGSTQQGT TILQYAQTSD GQQILVPSNQ VVVQTASGDM QTYQIRTPS ATSLPQTVVM TSPVTLTSQT TKTDDPQLKR EIRLMKNREA ARECRRKKKE YVKCLENRVA VLENQNKTLI EELKTLKDLY SNKSV		
Formulation	The ATF1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 5mM DTT, 2mM EDTA and 50% glycerol.		

**Introduction**

ATF1, a cyclic-AMP dependent transcription factor, is expressed in a large selection of cell types and can dimerize with CREB. MSK1 and MSK2 protein kinases are essential for the stress-induced phosphorylation of transcription factors CREB and ATF1 in primary embryonic fibroblasts. Epidermal growth factor induction of c-jun expression needs ATF1 and MEF2 sites in the c-jun promoter.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

ATF1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 295 amino acids (1-271 and having a molecular mass of 31.8kDa. ATF1

**Caution: Product has not been fully validated for medical applications. For research use only.**

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is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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