



## Activating Transcription Factor-4 Human Recombinant

<b>Item Number</b>	rAP-0827
<b>Synonyms</b>	Cyclic AMP-dependent transcription factor ATF-4, cAMP-dependent transcription factor, ATF-4, Activating transcription factor 4, Cyclic AMP-responsive element-binding protein 2, CREB-2, cAMP-responsive element-binding protein 2, DNA-binding protein, TAXREB
<b>Description</b>	ATF4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 510 amino acids (1-351 a.a.) and having a molecular mass of 56.6kDa. ATF4 is fused to a 159 amino acid His-Calmodulin-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P18848
<b>Amino Acid Sequence</b>	MHHHHHMMAD QLTEEQIAEF KEAFSLFDKD GDGTITTKEL GTVMRSLGQN PTEAELQDMI NEVDADGNGT IDFPEFLTMM ARKMKDTDSE EEIREAFRVF DKDGNGYISA AELRHVMTNL GEKLT- DEEVD EMIREADIDG DGQVNYEEFV QMMTAKGSHM TEMSFLSSEV LVGDLMSPFD QSLGAEESL GLLDDYLEVA KHFKPHGFSS DKAKAGSSEW LAVDGLVSPS NNSKEDAFSG TDWMLEKMDL KEFDLDALLG IDDLTTPDD LLTTLDDTCD LFAPLVQETN KQPPQTVNPI GHLPESLTKP DQVAPFTFLQ
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	ATF4 is supplied as a sterile filtered clear solution. 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.
<b>Formulation and Purity</b>	ATF4 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**