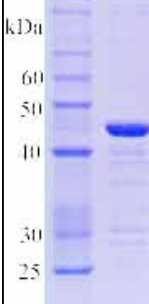


Recombinant Human ATF3 Protein Data Sheet

Catalog #	hRP-X0424-EF032
Size	100 µg
Protein Name	Human cyclic AMP-dependent transcription factor ATF-3
Protein Symbol	ATF3
Original Source	<i>Homo sapiens</i>
Expression System	<i>E.coli</i>
GenBank Accession #	NM_004024.2
Uniprot Accession #	P18847-2
Description	This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Represses transcription from promoters with ATF sites. It may repress transcription by stabilizing the binding of inhibitory cofactors at the promoter. Isoform 2 activates transcription presumably by sequestering inhibitory cofactors away from the promoters.
Application	WB, ELISA, IP, antibody production, protein array
Fusion tag	Trx-His-SUMO
Peptide Length	342aa(including fusion tag)
Molecular Weight	38.2kDa(including fusion tag)
pI	6.7
Activity	NA
Storage	Storage buffer: 20mM Tris.Cl, 50mM NaCl, 20% Glycerol, pH8.0. Store at -80°C and avoid repeated freeze-thaw cycles.
	
Reference:	• ATF3, a hub of the cellular adaptive-response network, in the pathogenesis of diseases: is modulation of inflammation a unifying component? • ATF3 transcription factor and its emerging roles in immunity and cancer • ATF3 and stress responses • Key role of ATF3 in p53-dependent DR5 induction upon DNA damage of human colon cancer cells • The roles of ATF3, an adaptive-response gene, in high-fat-diet-induced diabetes and pancreatic beta-cell dysfunction

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