

Recombinant Human ATF3 protein, His-SUMO-tagged

Cat. No. ATF3-23H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATF3, fused with His-SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	342aa(including fusion tag)
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.
Form	20mM Tris.Cl, 50mM NaCl, 20% Glycerol, pH8.0.
Molecular Mass	38.2kDa(including fusion tag)
Applications	WB, ELISA, IP, antibody production, protein array
Storage	Store at -80°C and avoid repeated freeze-thaw cycles.

GENE INFORMATION

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Gene Name	ATF3 activating transcription factor 3 [Homo sapiens]
Official Symbol	ATF3
Synonyms	ATF3; FLJ41705;
Gene ID	467
mRNA Refseq	NM_001030287
Protein Refseq	NP_001025458
MIM	603148
UniProt ID	P18847
Chromosome Location	ATF-2 transcription factor network, organism-specific biosystem; Activation of Genes by ATF4, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; Disease, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem;
Pathway	identical protein binding; protein binding; protein dimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription corepressor activity;

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