

# Product information

## ATF3, 1-181 aa

Human, Recombinant, *E.coli*

Cat. No. IBATGP1127

**Full name:** Activating transcription factor 3

**NCBI Accession No.:** NP\_001665

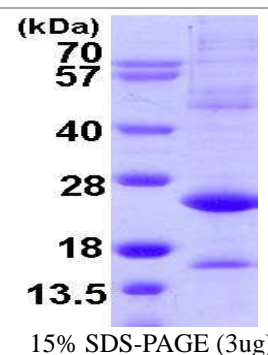
**Description:** ATF3 (activating transcription factor 3) is a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Multiple transcript variants encoding two different isoforms have been found for this gene. The longer isoform represses rather than activates transcription from promoters with ATF binding elements. The shorter isoform (deltaZip2) lacks the leucine zipper protein-dimerization motif and does not bind to DNA, and it stimulates transcription, it is presumed, by sequestering inhibitory co-factors away from the promoter.

**Form:** Liquid. In 20mM Tris-HCl, pH8.0, 2M Urea, 20%Glycerol

**Molecular Weight:** 20.6kDa (181aa)

**Purity:** > 90% by SDS - PAGE

**Concentration:** 1mg/ml (determined by Bradford assay)



### Sequences of amino acids:

MMLQHPGQVS ASEVSASAI V PCLSPPGSLV FEDFANLTPF VKEELRFAIQ NKHLCHRMSS ALESVTVSDR PLGVSITKAE VAPEEDERKK  
 RRRERNKIAA AKCRNKKKEK TECLQKESEK LESVNAELKA QIEELKNEKQ HLIYMLNLHR PTCIVRAQNG RTPEDERNLF IQQIKEGTLQ  
 S

### General references:

Lv D., *et al.* (2011) *IUBMB Life*. **63**(1):62-9.

Chen BP., *et al.* (1994) *J Biol Chem* **269** (22): 15819–26.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**