



# SZABO SCANDIC

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### ATF3 (Human) Recombinant Protein (P01)

**Catalog Number:** H00000467-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human ATF3 full-length ORF (AAH06322, 1 a.a. - 181 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MMLQHPGQVSASEVSASAIVPCLSPPGSLVFEDFANL  
TPFVKEELRFAIQNKHLCHRMSSALESVTVSDRPLGVS  
ITKAEVAPEEDERKKRRRERNKIAAAKCRNKKKEKTEC  
LQKESEKLESVNAELKAQIEELKNEKQHLYMLNLHRP  
TCIVRAQNGRTPEDERNLFIQQIQKEGTLQS

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 45.65

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 467

**Gene Symbol:** ATF3

**Gene Alias:** -

**Gene Summary:** Activating transcription factor 3 is a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein

family of transcription factors. 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 presumably by sequestering inhibitory co-factors away from the promoter. It is possible that alternative splicing of the ATF3 gene may be physiologically important in the regulation of target genes. [provided by RefSeq]

**References:**

1. SUMOylation of ATF3 alters its transcriptional activity on regulation of TP53 gene. Wang CM, Brennan VC, Gutierrez NM, Wang X, Wang L, Yang WH. J Cell Biochem. 2012 Sep 18. doi: 10.1002/jcb.24396. [Epub ahead of print]
2. DETERMINANTS OF TETHERIN ANTAGONISM IN THE TRANSMEMBRANE DOMAIN OF THE HUMAN IMMUNODEFICIENCY VIRUS TYPE-1 (HIV-1) VPU PROTEIN. Vigan R, Neil SJ. J Virol. 2010 Oct 6. [Epub ahead of print]
3. Determination of complementary antibody pairs using protein A capture with the AlphaScreen assay format. Bembenek ME, Burkhardt A, Ma J, Li Z, Loke HK, Wu D, Xu Q, Tayber O, Xie L, Li P, Li L. Anal Biochem. 2010 Sep 22. [Epub ahead of print]