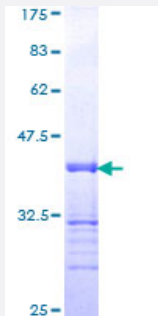


ATF3 (Human) Recombinant Protein (Q01)

Catalog # H00000467-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ATF3 partial ORF (NP_001665, 1 a.a. - 90 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MMLQQPGQVSASEVSASAINPCLSPPGSLVFEDFANLTPFVKEELRFAIQNKHLCHRMSSALES VTVSDRPLGVSTITKA EVAPEEDERKK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (89); Rat (89)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ATF3

Entrez GeneID [467](#)

GeneBank Accession# [NM_001674](#)

Protein Accession# [NP_001665](#)

Gene Name ATF3

Gene Alias -

Gene Description activating transcription factor 3

Omim ID [603148](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations ATF3deltaZip2|ATF3deltaZip2c|ATF3deltaZip3|OTTHUMP00000034887|OTTHUMP00000034890

Disease

- [Cardiovascular Diseases](#)

- [Cryptorchidism](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypospadias](#)
- [Kidney Failure](#)