

FOR IN VITRO RESEARCH USE ONLY.  
NOT FOR USE IN HUMANS OR ANIMALS.

# RECOMBINANT HUMAN ATF4

## Basic Information

**Catalog Number:**  
Ag16665

**Size:**  
50 µg

**Form:**  
Available lyophilized

**Species:**  
human

**Expression Source:**  
*E. coli*-derived, PET28a, with N-terminal 6\*His.

**Biological Activity:**  
Not tested

**Endotoxin Level:**  
Please contact the lab for more information

**Validated Application:**  
Blocking peptide

**Peptide Sequence:**  
MTEMFLSSEVLVGDLMSPFDQSGLGAEESLGLDDYLEVAKHF  
KPHGFSSDKAKAGSSEVLAVDGLVSPNNSKEDAFSGTDWML  
EKMDLKEFDLALLGIDDLTIPDDLLTLDDTCDLFAPLVQETN  
KQPPQTVNPIGHLPESLTKPDQVAPFTFLQPLPLSPGVLSSPTDH  
SFSLELGSEVDITEGDRKPDYTAIVAMPQCIKEEDTPSDNDSGI  
CMSPESYLGSPQHSPSTRGSPNRSPLSPGVLGGSARPKPYDPP  
GEKMWAAKVKGEKLDKLLKMEQNKTAATRYRQKKRAEQEALT  
GECKELEKINEALKERADSLAKEIQYKLDLIEEVRKARGKRRP  
(1-351 aa encoded by BC022088)

## Reconstitution and Storage

**Reconstitution:**  
Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.  
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).  
If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).  
Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

**Shipping:**  
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature (see below).

## Stability and Storage

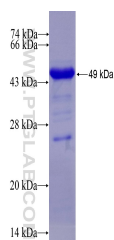
Store for up to 12 months at -20°C to -80°C as lyophilized powder.

## Storage of Reconstituted Protein

**Short Term Storage:**  
Store at 2-8°C for (1-2 weeks).

**Long Term Storage:**  
Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

## Selected Validation Data



activating transcription factor 4 (tax-responsive)