

# Product Datasheet

## Recombinant Human ATF4 Protein H00000468-P01-2ug

Unit Size: 2 ug

Store at -80C. Avoid freeze-thaw cycles.

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**H00000468-P01-2ug**

## Recombinant Human ATF4 Protein

**Product Information**

<b>Unit Size</b>	2 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0.

**Product Description**

<b>Description</b>	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-351 fo Human ATF4.</p> <p><b>Source:</b> <i>Wheat Germ</i></p> <p><b>Amino Acid Sequence:</b>  MTEMSFLSSEVLVGDLMSFPDPSGLGAEESLGLLDDYLEVAKHFKPHGFSSDK  AKAGSSEWLAVDGLVSPSNNSKEDAFSGTDWMLEKMDLKEFDLDALLGIDDLE  TMPDDLTTLDLDTCDLFAPLVQETNKQPPQTVNPIGHLPESLTKPDQVAPFTFL  QPPPLSPGVLSSTPDHSFSLELGSEVDITEGDRKPDYTAYVAMIPQCIKEEDTP  SDNDSGICMSPE SYLGSPQHSPSTRGSPNRSPLSPGVLCGSARPKPYDPPGE  KMVAAKVKGKLDKLLKKMEQNKTAATRYRQKKRAEQEALTGECKELEKKNE  ALKERADSLAKEIQYLKDLIEEVRKARGKKRVP</p>
<b>Gene ID</b>	468
<b>Gene Symbol</b>	ATF4
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human
<b>Details of Functionality</b>	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.

**Product Application Details**

<b>Applications</b>	Western Blot, ELISA, Protein Array, SDS-Page, Immunoaffinity Purification
<b>Recommended Dilutions</b>	Western Blot, ELISA, SDS-Page, Protein Array, Immunoaffinity Purification

**Publications**

Zhang N, Khachigian LM. Injury-induced platelet-derived growth factor receptor-alpha expression mediated by interleukin-1beta (IL-1beta) release and cooperative transactivation by NF-kappaB and ATF-4: IL-1beta facilitates HDAC-1/2 dissociation from promoter. J Biol Chem. 2009-10-09 [PMID: 19648113]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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