

Recombinant Full Length Human ATF6B Protein, GST-tagged

Cat. No. ATF6B-1520HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human ATF6B(1 a.a. - 318 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	318 amino acids
Description	<p>The protein encoded by this gene is a transcription factor in the unfolded protein response (UPR) pathway during ER stress. Either as a homodimer or as a heterodimer with ATF6-alpha, the encoded protein binds to the ER stress response element, interacting with nuclear transcription factor Y to activate UPR target genes. The protein is normally found in the membrane of the endoplasmic reticulum; however, under ER stress, the N-terminal cytoplasmic domain is cleaved from the rest of the protein and translocates to the nucleus. Two transcript variants encoding different isoforms have been found for this gene.</p>
Molecular Mass	60.61 kDa
AA Sequence	<p>MAELMLLSEI ADPTRFFTDN LLSPEDWGLQ NSTLYSGLDE VAEEQTQLFR CPEQDVPPFDG SSLDVGMDVS PSEPPWELLP IFPDLQVKSE PSSPCSSSSL SSESSLSTE PSSEALGVGE VLHVKTESLA PPLCLLGDDP TSSFETVQIN VIPTSDDSSD VQTKIEPVSP CSSVNSEASL LSADSSSQAF IGEEVLEVKT ESLSPSGCLL WDVPAPSLGA VQISMGPSLD GSSGKALPTR KPPLQPKPVV</p>

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LTTVPMPSTRA VSPSTTVLLQ SLVQPPPGTE EGEKGRWWL TPVIPALWEA
EAGESPEVRS LRPWPTW

Applications

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

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

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

GENE INFORMATION

Gene Name

[ATF6B activating transcription factor 6 beta \[Homo sapiens \]](#)

Official Symbol

[ATF6B](#)

Synonyms

ATF6B; activating transcription factor 6 beta; cAMP responsive element binding protein like 1 , CREBL1; cyclic AMP-dependent transcription factor ATF-6 beta; G13; ATF6-beta; protein G13; Creb-related protein; cAMP responsive element binding protein-like 1; cAMP-dependent transcription factor ATF-6 beta; cAMP-responsive element-binding protein-like 1; cAMP response element-binding protein-related protein; CREBL1; CREB-RP; FLJ10066

Gene ID

[1388](#)

mRNA Refseq

[NM_001136153](#)

Protein Refseq

[NP_001129625](#)

MIM

[600984](#)

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UniProt ID

Q99941

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