

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	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.
Molecular Mass	60.61 kDa
AA Sequence	MAELMLLSEI ADPTRFFTDN LLSPEDWGLQ NSTLYSGLDE VAEEQTQLFR CPEQDVPPFDG SSLDVGMDVS PSEPPWELLP IFPDLQVKSE PSSPCSSSSL SSESSLRLSTE PSSEALGVGE VLHVKTESLA PPLCLLGDDP TSSFETVQIN VIPTSDDSSD VQTKIEPVSP CSSVNSEASL LSADSSSQAF IGEEVLEVKT ESLSPSGCLL WDVPAAPSLGA VQISMGPSLD GSSGKALPTR KPPLQPKPVV

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LTTVPMPSTRA VSPSTTVLLQ SLVQPPPGTE EGEKGRAWWL TPVIPALWEA
EAGESPEVRS LRPAPWPTW

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

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