

Recombinant Human ATF6B Protein, GST-tagged

Cat. No. ATF6B-26100TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATF6B(1 a.a. - 318 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1 a.a. - 318 a.a.
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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	60.61 kDa
AA Sequence	MAELMLLSEIADPTRFFTDNLLSPEDWGLQNSTLYSGLDEVAEEQTQLFRCPEQDV PFDGSSLDVGMDVSPSEPPWELLPIFPDLQVKSEPSSPCSSSSLSSESSRLSTEPSS EALGVGEVLHVKTESLAPPLCLLGDDPTSSFETVQINVIPTSDDSSDVQTKIEPVSPC

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SSVNSEASLLSADSSSQAFIGEEVLEVKTESLSPSGCLLWDVPAPSLGAVQISMGPS
LDGSSGKALPTRKPPLQPKPVVLTTPMPSRAVSPSTTVLLQSLVQPPPGTEEGEK
GRAWLTPVIPALWEAEAGESPEVRSLRPAWPTW

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

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

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

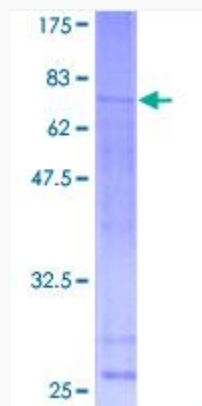
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UniProt ID

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