

XBP1 recombinant protein

XBP1 Recombinant Protein

CATALOG # AAA40475	APPLICATIONS Western Blot, ELISA
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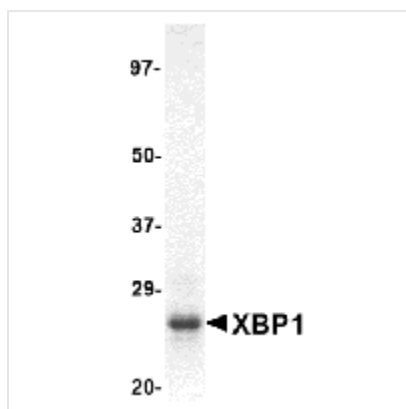
PRODUCT SYNONYMS

XBP1; XBP1 Recombinant Protein; XBP-1 Antibody : XBP2; TREB5; XBP-1; X-box binding protein 1; XBP1 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	~95%
Form/Format	Liquid
Sequence	aa 2-160
Sequence Length	376
Applicable Applications for XBP1 recombinant protein	WB (Western Blot), ELISA
Source	E Coli
Buffer	1X PBS containing 0.1% SDS
Fusion Tag	Fusion Partner: N-terminal His-tag
Preparation and Storage	Store in working aliquots at -70 degree C. Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

IMAGES



SDS-PAGE

SDS-PAGE analysis of recombinant XBP1 on Coomassie Blue-stained 4-15% gradient gel.

ADDITIONAL INFORMATION

Related Product Information for XBP1 recombinant protein	X box binding protein 1 (XBP-1) is a key protein in the mammalian unfolded protein response (UPR) that protects the cell against the stress of malfolded proteins in the endoplasmic reticulum (ER) (1). Upon sensing unfolded proteins, an ER transmembrane endonuclease and kinase termed IRE1p is activated and excises an intron from XBP-1 mRNA. The spliced XBP-1 mRNA results in a 371 amino acid protein (XBP-1s) which is then translocated to the nucleus where it binds to the regulatory elements of downstream genes. Together with other UPR transcription factors such as ATF6, XBP-1 stimulates the production of ER stress proteins including the ER resident protein chaperones glucose regulated protein (GRP) 78 and GRP94 (3,4).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18148382
NCBI GeneID	7494
UniProt Accession #	P17861; Q8WYK6; Q969P1; Q96BD7
Molecular Weight	25 kDa (Calculated)
NCBI Official Full Name	X box-binding protein spliced form
NCBI Official Synonym Full Names	X-box binding protein 1
NCBI Official Symbol	XBP1
NCBI Official Synonym Symbols	XBP2; TREB5; XBP-1
NCBI Protein Information	X-box-binding protein 1; tax-responsive element-binding protein 5
UniProt Protein Name	X-box-binding protein 1
UniProt Gene Name	XBP1
UniProt Synonym Gene Names	TREB5; XBP2; XBP-1
UniProt Entry Name	XBP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/xbp1-recombinant-protein-wb-western-blot-elisa/40475>