

Recombinant Human XBP1

Catalog No: #GP10879



Package Size: #GP10879-1 100ug

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Description

Product Name	Recombinant Human XBP1
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	X-box binding protein 1
Other Names	XBP2; TREB5; XBP-1
Accession No.	Swissprot:P17861Gene Accession:BC000938
Uniprot	P17861
GeneID	7494;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a transcription factor that regulates MHC class II genes by binding to a promoter element referred to as an X box. This gene product is a bZIP protein, which was also identified as a cellular transcription factor that binds to an enhancer in the promoter of the T cell leukemia virus type 1 promoter. It may increase expression of viral proteins by acting as the DNA binding partner of a viral transactivator. It has been found that upon accumulation of unfolded proteins in the endoplasmic reticulum (ER), the mRNA of this gene is processed to an active form by an unconventional splicing mechanism that is mediated by the endonuclease inositol-requiring enzyme 1 (IRE1). The resulting loss of 26 nt from the spliced mRNA causes a frame-shift and an isoform XBP1(S), which is the functionally active transcription factor.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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