

XBP1 抗原（重组蛋白）

中文名称： XBP1 抗原（重组蛋白）

英文名称： XBP1 Antigen (Recombinant Protein)

别 名： XBP2; TREB5; XBP-1

储 存： 冷冻（-20℃）

相关类别： 抗原

概述

Full length fusion protein

技术规格

Full name:	X-box binding protein 1
Synonyms:	XBP2; TREB5; XBP-1
Swissprot:	P17861
Gene Accession:	BC000938
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
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 a nonconventional splicing mechanism that is mediated by the endonuclease

ease 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.