Recombinant Mouse Xbp1 Protein, His&GST-tagged

Cat. No. Xbp1-592M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Xbp1 Protein (Met1-Leu267) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Leu267
Description	Enables several functions, including DNA-binding transcription factor activity, RNA polymerase II-specific; enzyme binding activity; and phosphatidylinositol 3-kinase regulatory subunit binding activity. Involved in several processes, including cellular response to hexose stimulus; lipid homeostasis; and positive regulation of macromolecule metabolic process. Acts upstream of or within several processes, including cellular response to leukemia inhibitory factor; exocrine system development; and positive regulation of proteasomal protein catabolic process. Located in cytoplasm and nucleus. Is expressed in several structures, including alimentary system; brain; genitourinary system; sensory organ; and skeleton. Used to study inflammatory bowel disease. Orthologous to human XBP1 (X-box binding protein 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.6 kDa Accurate Molecular Mass: 60 kDa

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Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Xbp1 X-box binding protein 1 [Mus musculus (house mouse)]
Official Symbol	Xbp1
Synonyms	XBP1; X-box binding protein 1; X-box-binding protein 1; tax-responsive element-binding protein 5 homolog; TREB5; XBP-1; TREB-5; D11Ertd39e
Gene ID	22433
mRNA Refseq	NM_013842
Protein Refseq	NP_038870

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UniProt ID	O35426

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