Zinc Finger and BTB Domain-Containing Protein 24 (ZBTB24) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Zinc finger and BTB domain-containing protein 24 (Zbtb24), Recombinant Protein
Full Product Name	Recombinant Mouse Zinc finger and BTB domain-containing protein 24 (Zbtb24)
Product Gene Name	Zbtb24 recombinant protein
Product Synonym Gene Name	Zbtb24
Sequence	MADTTPEPCG QLMVHSDTHS DTVLASLEDQ RKKGFLCDIT LIVENVHFRA HKALLAASSE YFSMMFAEEG EIGQSIYMLE GMVADTFGIL LEFIYTGYLH ASEKTTEQIL ATAQFLKVYD LVKAYADFQD NHSAPKPPAL NCTGTPVVVI SNKKNDPLKR KRGRPRKANG LQEGRSELAA EGELQLRVNN SVQNRQNFVF KEEDSVKLSE QTPEDKESEP AGEPGSVEEV PAEKDENFDP KAGDGQESQS RCSRRRIRRS VKLKDYKLLG DEDDQSTAKR LCGRKKRSSG PEARCKDCDR VFKYSHFLAI HQRRHTGERP FKCNECGKGF AQKHSLQVHT RMHTGERPYT CTVCGKALTT KHSLLEHMSL HSGQKSFTCD QCGKYFSQKR QLKSHYRVHT GHSLPECSHC HRKFMDVSQL KKHLRTHTGE KPFTCEICGK SFTAKSSLQT HIRIHRGEKP YSCSICGKCF SDSSAKRRHC ILHTGKKPFS CPECGLQFAR LDNLKAHLKI HSKEKHTADS SSVSGSNVDE GRNILQLQPY QLSTSGEQEI QLLVTDSVHN INFMPGPSQG VSIVAAESPQ SMATDPAANI TLLTQQPEQL QGLILSAQQE QAEHIQSLSV IGGQMESSQT EPVHVITLSK ETLEHLHAHQ EQTTSSVPAA DTGARATPVP STRPGAELTQ APLAVPLDPS PGATVAGWPF GPSSYRSLKM
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	40,007 Da
Sequence Positions	1-710, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q80X44
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Zbtb24 recombinant protein	MBS1401672 is a recombinant protein targeting Zbtb24. Also known as Recombinant Mouse Zinc finger and BTB domain-containing protein 24 (Zbtb24). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Zbtb24 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Zbtb24. It may not necessarily be applicable to this product.

NCBI GI #	469663638

NCBI GeneID	268294
NCBI Accession #	NP_001264158.1
UniProt Primary Accession #	Q80X44
UniProt Secondary Accession #	Q3UIB7; Q7TPC4; Q8CJC9
UniProt Related Accession #	Q80X44
GenBank Nucleotide #	NM_001277229.1
NCBI Official Full Name	zinc finger and BTB domain-containing protein 24 isoform 2
NCBI Official Synonym Full Names	zinc finger and BTB domain containing 24
NCBI Official Symbol	Zbtb24
NCBI Official Synonym Symbols	Bif1; Bsg1; ZNF450; BC055367
UniProt Protein Name	Zinc finger and BTB domain-containing protein 24
UniProt Synonym Protein Names	Bone morphogenetic protein-induced factor 1; Brain-specific protein 1; Zinc finger protein 450
Protein Family	Zinc finger and BTB domain-containing protein
UniProt Gene Name	Zbtb24
UniProt Synonym Gene Names	Bif1; Bsg1; Znf450
NCBI Protein Information	zinc finger and BTB domain-containing protein 24
NCBI Summary for Zbtb24	This gene encodes a protein containing eight C2H2-type zinc fingers and a BTB domain. Expression of this gene is induced by bone morphogenetic protein-2 signaling. Mutation of the related gene in humans causes immunodeficiency-centromeric instability-facial anomalies syndrome-2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]
UniProt Comments for Zbtb24	May be involved in BMP2-induced transcription.
Research Articles on Zbtb24	**1.** Transcriptome analysis identified Cdca7 as the top down-regulated gene in Zbtb24 homozygous mutant mESCs, which can be restored by ectopic ZBTB24 expression. Finally, we show that this regulation is conserved between species and that CDCA7 levels are reduced in patients carrying ZBTB24 nonsense mutations
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