BCL-6 Corepressor (BCOR) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	BCL-6 corepressor (Bcor), Recombinant Protein
Full Product Name	Recombinant Mouse BCL-6 corepressor (Bcor) , partial
Product Gene Name	Bcor recombinant protein
Product Synonym Gene Name	Bcor
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	186,710 Da
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 Q8CGN4
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Bcor recombinant protein	This protein was identified as an interacting corepressor of BCL6, a POZ zinc finger transcription repressor that is required for germinal center formation and may influence apoptosis. This protein selectively interacts with the POZ domain of BCL6, but not with eight other POZ proteins. Specific class I and II histone deacetylases (HDACs) have been shown to interact with this protein, which suggests a possible link between the two classes of HDACs. Several transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of Bcor 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.
Searchable Terms for Bcor purchase	MBS1343051 is a recombinant protein targeting Bcor. Also known as Recombinant Mouse BCL-6 corepressor (Bcor) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	269995993
NCBI GeneID	71458
NCBI Accession #	NP_001161793.1
UniProt Primary Accession #	Q8CGN4
UniProt Secondary Accession #	Q6PDK5; Q6ZPM3; Q8BKF5; Q8CGN1; Q8CGN2; Q8CGN3; B1AXK3; B1AXK4; B1AXK5; B1AXK6

UniProt Related Accession #	Q8CGN4
GenBank Nucleotide #	NM_001168321.1
NCBI Official Full Name	BCL-6 corepressor isoform d
NCBI Official Synonym Full Names	BCL6 interacting corepressor
NCBI Official Symbol	Bcor
NCBI Official Synonym Symbols	BcorR; mKIAA1575; 2900008C10Rik; 5830466J11Rik; 8430401K06Rik; D930024N20Rik
UniProt Protein Name	BCL-6 corepressor
Protein Family	BCL-6 corepressor
UniProt Gene Name	Bcor
UniProt Synonym Gene Names	Kiaa1575; BCoR
NCBI Protein Information	BCL-6 corepressor
UniProt Comments for Bcor	Transcriptional corepressor. May specifically inhibit gene expression when recruited to promoter regions by sequence-specific DNA-binding proteins such as BCL6 and MLLT3. This repression may be mediated at least in part by histone deacetylase activities which can associate with this corepressor. Involved in the repression of TFAP2A; impairs binding of BCL6 and KDM2B to TFAP2A promoter regions. Via repression of TFAP2A acts as a negative regulator of osteo-dentiogenic capacity in adult stem cells; the function implies inhibition of methylation on histone H3 'Lys-4' (H3K4me3) and 'Lys-36' (H3K36me2) ().
Research Articles on Bcor	**1.** results provide the first evidence of a tumor suppressor role for BCOR in the pathogenesis of T lymphocyte malignancies
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