Borealin (CDCA8) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Borealin (Cdca8), Recombinant Protein
Full Product Name	Recombinant Mouse Borealin (Cdca8)
Product Gene Name	Cdca8 recombinant protein
Product Synonym Gene Name	Cdca8
Sequence	MAPKKRSSRG TRTNTLRSRK LASFLKDFDR EVQVRTKQIE SDRQTLLKEV ENLYNIEILR LPKALQGMKW LDYFALGGNK QALEEAAKAD RDITEINNLT AEAIQTPLKS VKKRKVIEVE ESIKEEEEEE EEGGGGGGRT KKSHKNLRSA KVKRCLPSKK RTQSIQGRGR SKRLSHDFVT PAMSRLEPSL VKPTPGMTPR FDSRVFKTPG LRTPAAKEQV YNISINGSPL ADSKEISLSV PIGGGASLRL LASDLQRIDI AQLNPEALGN IRKLSSRLAQ ICSSIRTGR
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	18,856 Da
Sequence Positions	1-289, 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 Q8BHX3
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cdca8 recombinant protein	MBS1430848 is a recombinant protein targeting Cdca8. Also known as Recombinant Mouse Borealin (Cdca8). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Cdca8 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 Cdca8. It may not necessarily be applicable to this product.

NCBI GI #	227116268
NCBI GeneID	52276
NCBI Accession #	NP_080836.3
UniProt Primary Accession #	Q8BHX3
UniProt Secondary Accession #	Q6NVD3; Q8BHB1; Q8BHQ5; Q8BHQ9; Q9CRN4; Q9CS02; Q9CTF4; B1ARX0; B1ARX1

UniProt Related Accession #	Q8BHX3
GenBank Nucleotide #	NM_026560.4
NCBI Official Full Name	borealin
NCBI Official Synonym Full Names	cell division cycle associated 8
NCBI Official Symbol	Cdca8
NCBI Official Synonym Symbols	BOR; DasraB; MESRGP; AU044747; Borealin; D4Ertd421e; 4831429J16Rik
UniProt Protein Name	Borealin
UniProt Synonym Protein Names	Cell division cycle-associated protein 8; MESrg
UniProt Gene Name	Cdca8
NCBI Protein Information	borealin
UniProt Comments for Cdca8	Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. In the complex, it may be required to direct the CPC to centromeric DNA. Major effector of the TTK kinase in the control of attachment-error-correction and chromosome alignment ().
Research Articles on Cdca8	**1.** These findings indicate that Borealin plays a key role in liver development, regeneration, and tumorigenesis and suggests that Borealin could be a potential target for related liver diseases.
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