CIR Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	CIR (CIR1), Blocking Peptide
Full Product Name	CIR Antibody (C-term) Blocking Peptide
Product Gene Name	CIR1 blocking peptide
Product Synonym Gene Name	CIR
Product Synonym Names	Corepressor interacting with RBPJ 1; CBF1-interacting corepressor; Recepin; CIR1; CIR
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence used to generate the antibody was selected from the C-term region of human CIR. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	CIR peptide (MBS9220539) is used for blocking the activity of CIR antibody (MBS9204615)
Molecular Weight	23,274 Da
OMIM	605228
Cellular Location	Nucleus speckle. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note: Colocalizes with NEK6 in the centrosome
Tissue Location	Highly expressed in heart, brain, placenta, liver, skeletal muscle and pancreas.
Related Product Information for CIR1 blocking peptide	May modulate splice site selection during alternative splicing of pre-mRNAs (By similarity). Regulates transcription and acts as corepressor for RBPJ. Recruits RBPJ to the Sin3-histone deacetylase complex (HDAC). Required for RBPJ-mediated repression of transcription.
Other Notes	Small volumes of CIR1 blocking peptide 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 CIR1 purchase	MBS9220539 is a blocking peptide targeting CIR1. Also known as CIR Antibody (C-term) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CIR1. It may not necessarily be applicable to this product.

NCBI GI #	74727790
NCBI GeneID	9541
NCBI Accession #	Q86X95.1
UniProt Primary Accession #	Q86X95
UniProt Secondary Accession #	O95367; Q12804; Q4G1B9; Q6PJI4; Q8IWI2; A6NFI6; A8K8M4
UniProt Related Accession #	Q86X95
NCBI Official Full Name	Corepressor interacting with RBPJ 1
NCBI Official Synonym Full Names	corepressor interacting with RBPJ, 1

NCBI Official Symbol	CIR1
NCBI Official Synonym Symbols	CIR
UniProt Protein Name	Corepressor interacting with RBPJ 1
UniProt Synonym Protein Names	CBF1-interacting corepressor; Recepin
Protein Family	Corepressor interacting with RBPJ
UniProt Gene Name	CIR1
UniProt Synonym Gene Names	CIR
UniProt Entry Name	CIR1_HUMAN
NCBI Protein Information	corepressor interacting with RBPJ 1
UniProt Comments for CIR1	CIR: May modulate splice site selection during alternative splicing of pre-mRNAs. Regulates transcription and acts as corepressor for RBPJ. Recruits RBPJ to the Sin3-histone deacetylase complex (HDAC). Required for RBPJ-mediated repression of transcription. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 2q31.1 Cellular Component: histone deacetylase complex; nucleus Molecular Function: protein binding; RNA polymerase II transcription factor activity, enhancer binding; transcription corepressor activity; transcription factor activity Biological Process: negative regulation of transcription, DNA-dependent
Research Articles on CIR1	**1.** identified as a PAP-1 binding protein and as a splicing factor
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Online datasheet: https://www.mybiosource.com/cir1-blocking-peptide/cir/9220539