RBL2 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	RBL2, Lysate
Full Product Name	Human RBL2 Protein Lysate
Product Gene Name	RBL2 lysate
Product Synonym Names	RBL2; P130; Rb2
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	59,349 Da
OMIM	180203
3D Structure	ModBase 3D Structure for Q08999
Related Product Information for RBL2 lysate	Human RBL2 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of RBL2 lysate 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 RBL2 purchase	MBS8418359 is a lysate targeting RBL2. Also known as Human RBL2 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RBL2. It may not necessarily be applicable to this product.

NCBI GI #	172072597
NCBI GeneID	5934
NCBI Accession #	NP_005602
UniProt Primary Accession #	Q08999
UniProt Secondary Accession #	Q15073; Q16084; Q8NE70; Q92812; B7Z913
UniProt Related Accession #	Q08999
GenBank Nucleotide #	NM_005611
NCBI Official Full Name	retinoblastoma-like protein 2 isoform 1
NCBI Official Synonym Full Names	RB transcriptional corepressor like 2
NCBI Official Symbol	RBL2
NCBI Official Synonym Symbols	Rb2; P130
UniProt Protein Name	Retinoblastoma-like protein 2
UniProt Synonym Protein Names	130 kDa retinoblastoma-associated protein; p130; Retinoblastoma-related protein 2; RBR-2; pRb2

Protein Family	Retinoblastoma-like protein
UniProt Gene Name	RBL2
UniProt Synonym Gene Names	RB2; p130; RBR-2
UniProt Entry Name	RBL2_HUMAN
NCBI Protein Information	retinoblastoma-like protein 2
UniProt Comments for RBL2	Rb-like 2: Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor. Belongs to the retinoblastoma protein (RB) family. Protein type: Tumor suppressor; Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 16q12.2 Cellular Component: nucleoplasm; transcription factor complex; cytoplasm; nucleolus; nucleus Molecular Function: protein binding; DNA binding Biological Process: regulation of transcription from RNA polymerase II promoter; transcription, DNA-dependent; regulation of cell cycle; mitotic cell cycle; regulation of lipid kinase activity; chromatin modification
Research Articles on RBL2	**1.** UL97 phosphorylates and inactivates the retinoblastoma protein-related p107 and p130 proteins
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