Rab-Interacting Lysosomal Protein (RILP) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Rab-interacting lysosomal protein (RILP), Recombinant Protein
Full Product Name	Recombinant Human Rab-interacting lysosomal protein (RILP)
Product Gene Name	RILP recombinant protein
Product Synonym Gene Name	RILP
Sequence	MEPRRAAPGV PGWGSREAAG SASAAELVYH LAGALGTELQ DLARRFGPEA AAGLVPLVVR ALELLEQAAV GPAPDSLQVS AQPAEQELRR LREENERLRR ELRAGPQEER ALLRQLKEVT DRQRDELRAH NRDLRQRGQE TEALQEQLQR LLLVNAELRH KLAAMQTQLR AAQDRERERQ QPGEAATPQA KERARGQAGR PGHQHGQEPE WATAGAGAPG NPEDPAEAAQ QLGRPSEAGQ CRFSREEFEQ ILQERNELKA KVFLLKEELA YFQRELLTDH RVPGLLLEAM KVAVRKQRKK IKAKMLGTPE EAESSEDEAG PWILLSDDKG DHPPPPESKI QSFFGLWYRG KAESSEDETS SPAPSKLGGE EEAQPQSPAP DPPCSALHEH LCLGASAAPE A
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	20,726 Da
Sequence Positions	1-401, 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.
OMIM	607848
3D Structure	ModBase 3D Structure for Q96NA2
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RILP recombinant protein	MBS1317365 is a recombinant protein targeting RILP. Also known as Recombinant Human Rab-interacting lysosomal protein (RILP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of RILP 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 RILP. It may not necessarily be applicable to this product.

NCBI GI #	93204881
NCBI GeneID	83547
NCBI Accession #	NP_113618.2

UniProt Primary Accession #	Q96NA2
UniProt Secondary Accession #	Q71RE6; Q9BSL3; Q9BYS3; B2RBQ8
UniProt Related Accession #	Q96NA2
GenBank Nucleotide #	NM_031430.2
NCBI Official Full Name	rab-interacting lysosomal protein
NCBI Official Synonym Full Names	Rab interacting lysosomal protein
NCBI Official Symbol	RILP
NCBI Official Synonym Symbols	PP10141
UniProt Protein Name	Rab-interacting lysosomal protein
Protein Family	Rab-interacting lysosomal protein
UniProt Gene Name	RILP
NCBI Protein Information	rab-interacting lysosomal protein
NCBI Summary for RILP	This gene encodes a lysosomal protein that interacts with RAB7, a small GTPase that controls transport to endocytic degradative compartments. Studies using mutant forms of the two proteins suggest that this protein represents a downstream effector for RAB7, and both proteins act together in the regulation of late endocytic traffic. A unique region of this protein has also been shown to be involved in the regulation of lysosomal morphology. [provided by RefSeq, Sep 2011]
UniProt Comments for RILP	Rab effector playing a role in late endocytic transport to degradative compartments. Involved in the regulation of lysosomal morphology and distribution. Induces recruitment of dynein-dynactin motor complexes to Rab7A-containing late endosome and lysosome compartments. Promotes centripetal migration of phagosomes and the fusion of phagosomes with the late endosomes and lysosomes.
Research Articles on RILP	**1.** RILP suppresses the invasion of breast cancer cells by interacting with RalGDS to inhibit its guanine nucleotide exchange factor activity for RalA.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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