Rab-Interacting Lysosomal Protein (RILP) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Rab-interacting lysosomal protein (Rilp), Recombinant Protein
Full Product Name	Recombinant Mouse Rab-interacting lysosomal protein (Rilp)
Product Gene Name	Rilp recombinant protein
Product Synonym Gene Name	Rilp
Sequence	MEPRRAAPRL PSQASSSVGA GSAAELVYHL AGALGTELQG LARRFGPDAA AGLVPLVVRA LELLEKAAVG PAPDSLQVSA QQAEVELRRL REENQRLRQE LGSGPQEERA LLRQLKEVTD RQRDELRAHN RDLQRRSQET EALQEQLQRL LLINSELRHK LAAVQTQLRA AQDREREROI AQDGSSQLAK EQSLEPDAAT SDDPVDTQKQ PGNLPEAVQC GFSREELKQI LQERNELKAN VFLLKEELAY FQRELLTDHR VPGLLLEAMK VAVKKQRRKI KAKMLGTPEE AESSEDEDGS WLLLSNDKED VPLVPESRIQ NFFGLWYRGE TEAPEAETSN PASSSLQKGE ETPQQPHLQP VNSPPAPNS
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	41,139 Da
Sequence Positions	1-369, 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 Q5ND29
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Rilp recombinant protein	MBS1402935 is a recombinant protein targeting Rilp. Also known as Recombinant Mouse 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 #	71480154
NCBI GeneID	280408
NCBI Accession #	NP_001025109.1
UniProt Primary Accession #	Q5ND29

UniProt Secondary Accession #	Q80WB8; Q8CHY9
UniProt Related Accession #	Q5ND29
GenBank Nucleotide #	NM_001029938.2
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	Gm857; AI835553
UniProt Protein Name	Rab-interacting lysosomal protein
Protein Family	Rab-interacting lysosomal protein
UniProt Gene Name	Rilp
NCBI Protein Information	rab-interacting lysosomal protein
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.** The up-regulation of Rab11, Rab7, or RILP, but not its truncated form RILP-C33, rescued LAMP2A-defective trafficking in cystinosis, whereas dominant-negative Rab11 or Rab7 impaired LAMP2A trafficking.
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