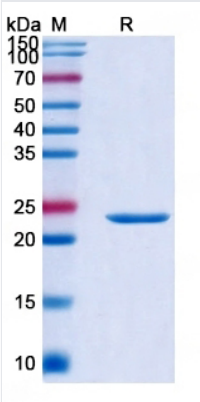
RAB2A Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	RAB2A, Recombinant Protein
Full Product Name	Recombinant Human RAB2A Protein, N-His
Product Gene Name	RAB2A recombinant protein
Product Synonym Names	RAB2A; Ras-related protein Rab-2A; RAB2
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	23,546 Da
Sequence Positions	Met1-Gly188
Chromosome Location	Chromosome: 8; NC_000008.10 (61429469..61536203). Location: 8q12.1
OMIM	179509
3D Structure	ModBase 3D Structure for P61019
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for RAB2A recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for RAB2A recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for RAB2A recombinant protein	MBS1576860 is a recombinant protein targeting RAB2A. Also known as Recombinant Human RAB2A Protein, N-His. Host: E coli.
Other Notes	Small volumes of RAB2A 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.



SDS-Page of RAB2A recombinant protein
SDS PAGE for Recombinant Human RAB2A Protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAB2A. It may not necessarily be applicable to this product.

NCBI GI #	336391093
NCBI GeneID	5862
NCBI Accession #	NP_001229573.1
UniProt Primary Accession #	P61019
UniProt Secondary Accession #	P08886; B2R5W8; B4DMQ5
UniProt Related Accession #	P61019
GenBank Nucleotide #	NM_001242644.1
NCBI Official Full Name	ras-related protein Rab-2A isoform b
NCBI Official Synonym Full Names	RAB2A, member RAS oncogene family
NCBI Official Symbol	RAB2A
NCBI Official Synonym Symbols	LHX; RAB2
UniProt Protein Name	Ras-related protein Rab-2A
Protein Family	Ras-related protein
UniProt Gene Name	RAB2A
UniProt Synonym Gene Names	RAB2
UniProt Entry Name	RAB2A_HUMAN
NCBI Protein Information	ras-related protein Rab-2A; small GTP binding protein RAB2A; RAB2, member RAS oncogene family
NCBI Summary for RAB2A	The protein encoded by this gene belongs to the Rab family, members of which are small molecular weight guanosine triphosphatases (GTPases) that contain highly conserved domains involved in GTP binding and hydrolysis. The Rabs are membrane-bound proteins, involved in vesicular fusion and trafficking. This protein is a resident of pre-Golgi intermediates, and is required for protein transport from the endoplasmic reticulum (ER) to the Golgi complex. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

UniProt Comments for RAB2A	Rab2: Required for protein transport from the endoplasmic reticulum to the Golgi complex. Belongs to the small GTPase superfamily. Rab family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: G protein, monomeric, Rab; G protein, monomeric; G protein Chromosomal Location of Human Ortholog: 8q12.1 Cellular Component: Golgi membrane; endoplasmic reticulum membrane; ER-Golgi intermediate compartment membrane; lysosomal membrane; melanosome; nucleus Molecular Function: GTPase activity; protein binding; GDP binding; GTP binding Biological Process: intracellular protein transport; ER to Golgi vesicle-mediated transport; metabolic process; mitotic cell cycle; Rab protein signal transduction; Golgi organization and biogenesis
Research Articles on RAB2A	**1.** The authors identified a specific interaction between the human small GTPase Rab2 and a Brucella spp. protein named RicA.
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