Riboflavin Biosynthesis Protein Ribd (ribD) Chlamydia Muridarum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Riboflavin biosynthesis protein RibD (ribD), Recombinant Protein
Full Product Name	Recombinant Chlamydia muridarum Riboflavin biosynthesis protein RibD (ribD)
Product Gene Name	ribD recombinant protein
Product Synonym Gene Name	ribD
Sequence	MEVSSEQQLF FMREAVALGE RGRIFAPPNP WVGCVIVKNG CIIGRGWHKG IGSPHAEVCA FQDQTSSLVG ADVYVTLEPC CHFGRTPPCV DLLIKSKVSS VYIALLDPDP RVCKRGVARL KEAGISVYVG IGHEEAKASL QPYLHQRETG LPWVVMKTAA SLDGQTSDRR GISQWISGEQ ARLDVGRLRA ESQAVIVGSR TVCLDNPRLS ARMPSGDLYE RQPLRVVVDS RGSVPLDARV WNPDSGNVLL ATTEQCSKEH IQKLEDRGVE VWKSSPQQVD LKRLLQYLAE KGCLQVLVEG GARLHSAFWR EHLVNAGVIY WGPKFLGDQG SPMLRDLQLC LDNAEHVKIT KTFLVGDSVK TCFECVGRED G
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	40,912 Da
Sequence Positions	1-371, 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 Q9PLJ6
Species	Chlamydia muridarum (strain MoPn / Nigg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ribD recombinant protein	MBS1437258 is a recombinant protein targeting ribD. Also known as Recombinant Chlamydia muridarum Riboflavin biosynthesis protein RibD (ribD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ribD 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 ribD. It may not necessarily be applicable to this product.

NCBI GI #	497915224
NCBI Accession #	WP_010229380.1
UniProt Primary Accession #	Q9PLJ6
GenBank Nucleotide #	WP_010229380.1

NCBI Official Full Name	bifunctional diaminohydroxyphosphoribosylaminopyrimidine deaminase/5-amino-6-(5-phosphoribosylamino)uracil reductase
UniProt Protein Name	Riboflavin biosynthesis protein RibD
UniProt Synonym Protein Names	Diaminohydroxyphosphoribosylaminopyrimidine deaminase (EC:3.5.4.26); DRAP deaminaseAlternative name(s):Riboflavin-specific deaminase
Protein Family	Riboflavin biosynthesis protein
UniProt Gene Name	ribD
UniProt Synonym Gene Names	DRAP deaminase
UniProt Comments for ribD	Converts 2,5-diamino-6-(ribosylamino)-4(3h)-pyrimidinone 5'-phosphate into 5-amino-6-(ribosylamino)-2,4(1h,3h)-pyrimidinedione 5'-phosphate.
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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