30s Ribosomal Protein S7 (rpsG) Rhodobacter Sphaeroides Recombinant Protein

PRODUCT OVERVIEW

Product Name	30S ribosomal protein S7 (rpsG), Recombinant Protein
Full Product Name	Recombinant Rhodobacter sphaeroides 30S ribosomal protein S7 (rpsG)
Product Gene Name	rpsG recombinant protein
Sequence	MSRRHAAEKR EILPDAKFGD TVLTKFMNNL MIDGKKSVAE SIVYNALDRV QTRLKREPLE AFHEALDNVK PSVEVRSRRV GGATYQVPVE VRTERREALA IRWLITAARK RNENTMEERL AAELADACNN RGTAVKKRED THKMADANKA FSHYRW
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	17,950 Da
Sequence Positions	1-156, 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 B9KL87
Species	Rhodobacter sphaeroides (strain KD131 / KCTC 12085)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rpsG recombinant protein	MBS1228452 is a recombinant protein targeting rpsG. Also known as Recombinant Rhodobacter sphaeroides 30S ribosomal protein S7 (rpsG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rpsG 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 rpsG. It may not necessarily be applicable to this product.

NCBI GI #	488810078
NCBI GeneID	3718917
NCBI Accession #	WP_002722484.1
UniProt Primary Accession #	B9KL87
UniProt Related Accession #	Q3J5S6
GenBank Nucleotide #	WP_002722484.1
NCBI Official Full Name	MULTISPECIES: 30S ribosomal protein S7

NCBI Official Symbol	rpsG
UniProt Protein Name	30S ribosomal protein S7
Protein Family	30S ribosomal protein
UniProt Gene Name	rpsG
NCBI Protein Information	SSU ribosomal protein S7P
UniProt Comments for rpsG	One of the primary rRNA binding proteins, it binds directly to 16S rRNA where it nucleates assembly of the head domain of the 30S subunit. Is located at the subunit interface close to the decoding center, probably blocks exit of the E-site tRNA.
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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