30s Ribosomal Protein S5 (rpsE) Vibrio Proteolyticus Recombinant Protein

PRODUCT OVERVIEW

Product Name	30S ribosomal protein S5 (rpsE), Recombinant Protein
Full Product Name	Recombinant Vibrio proteolyticus 30S ribosomal protein S5 (rpsE)
Product Gene Name	rpsE recombinant protein
Product Synonym Gene Name	rpsE
Product Synonym Names	Recombinant 30S ribosomal protein S5 (rpsE); 30S ribosomal protein S5
Sequence	MAKEQQVQAN DLQEKLIAVN RVAK
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	2,725 Da
Sequence Positions	1-24aa; 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 P52856
Species	Vibrio proteolyticus (Aeromonas proteolytica)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rpsE recombinant protein	MBS1220508 is a recombinant protein targeting rpsE. Also known as Recombinant Vibrio proteolyticus 30S ribosomal protein S5 (rpsE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rpsE 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 rpsE. It may not necessarily be applicable to this product.

NCBI GI #	1710772
NCBI Accession #	P52856.1
UniProt Primary Accession #	P52856
NCBI Official Full Name	30S ribosomal protein S5
UniProt Protein Name	30S ribosomal protein S5
Protein Family	30S ribosomal protein
UniProt Gene Name	rpsE

UniProt Entry Name	RS5_VIBPR
UniProt Comments for rpsE	Function: With S4 and S12 plays an important role in translational accuracy By similarity. HAMAP-Rule MF_01307Located at the back of the 30S subunit body where it stabilizes the conformation of the head with respect to the body By similarity. HAMAP-Rule MF_01307 Subunit structure: Part of the 30S ribosomal subunit. Contacts proteins S4 and S8 By similarity. Domain: The N-terminal domain interacts with the head of the 30S subunit; the C-terminal domain interacts with the body and contacts protein S4. The interaction surface between S4 and S5 is involved in control of translational fidelity. HAMAP-Rule MF_01307 Sequence similarities: Belongs to the ribosomal protein S5P family.
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