7-Cyano-7-Deazaguanine Trna-Ribosyltransferase (Tgta), Partial (tgtA) Haloferax Volcanii Recombinant Protein

PRODUCT OVERVIEW

Product Name	7-cyano-7-deazaguanine tRNA-ribosyltransferase (tgtA), partial, Recombinant Protein
Full Product Name	Recombinant Haloferax volcanii 7-cyano-7-deazaguanine tRNA-ribosyltransferase (tgtA), partial
Product Gene Name	tgtA recombinant protein
Product Synonym Gene Name	tgtA; tgt; HVO_2001
Product Synonym Names	7-cyano-7-deazaguanine tRNA-ribosyltransferase; EC=2.4.2.-; Archaeal tRNA-guanine transglycosylase
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	56,300 Da
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 Q9C4M3
Species	Haloferax volcanii (strain 29605 / DSM 3757 / JCM 8879 / NBRC 14742 / NCIMB 2012 / VKM B-1768 / DS2) (Halobacterium volcanii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tgtA recombinant protein	MBS1283678 is a recombinant protein targeting tgtA. Also known as Recombinant Haloferax volcanii 7-cyano-7-deazaguanine tRNA-ribosyltransferase (tgtA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tgtA 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 tgtA. It may not necessarily be applicable to this product.

NCBI GI #	292656129
NCBI GeneID	8925787
NCBI Accession #	YP_003536026.1
UniProt Primary Accession #	Q9C4M3
UniProt Secondary Accession #	D4GTM9
UniProt Related Accession #	Q9C4M3
GenBank Nucleotide #	NC_013967.1

NCBI Official Full Name	queuine/archaeosine tRNA-ribosyltransferase
NCBI Official Symbol	tgtA1
UniProt Protein Name	tRNA-guanine(15) transglycosylase
UniProt Synonym Protein Names	7-cyano-7-deazaguanine tRNA-ribosyltransferase; Archaeal tRNA-guanine transglycosylase
Protein Family	tRNA-guanine(15) transglycosylase
UniProt Gene Name	tgtA
UniProt Synonym Gene Names	tgt; HVO_2001
UniProt Entry Name	ATGT_HALVD
NCBI Protein Information	queuine/archaeosine tRNA-ribosyltransferase
UniProt Comments for tgtA	Exchanges the guanine residue with 7-cyano-7-deazaguanine (preQ0) at position 15 in the dihydrouridine loop (D-loop) of archaeal tRNAs.
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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