Poly (Beta-D-Mannuronate) C5 Epimerase 4 (algE4) Azotobacter Vinelandii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Poly (beta-D-mannuronate) C5 epimerase 4 (algE4), Recombinant Protein
Full Product Name	Recombinant Azotobacter vinelandii Poly (beta-D-mannuronate) C5 epimerase 4 (algE4), partial
Product Gene Name	algE4 recombinant protein
Product Synonym Gene Name	algE4
Sequence	MDYNVKDFGA LGDGVSDDRA SIQAAIDAAY AAGGGTVYLP AGEYRVSAAG EPGDGCLMLK DGVYLAGAGM GETVIKLIDG SDQKITGMVR SAYGEETSNF GMRDLTLDGN RDNTSGKVDG WFNGYIPGGD GADRDVTIER VEVREMSGYG FDPHEQTINL TIRDSVAHDN GLDGFVADYL VDSVFENNVA YANDRHGFNV VTSTHDFVMT NNVAYGNGSS GLVVQRGLED LALPSNILID GGAYYDNARE GVLLKMTSDI TLQNADIHGN GSSGVRVYGA QDVQILDNQI HDNAQAAAVP EVLLQSFDDT AGASGTYYTT LNTRIEGNTI SGSANSTYGI QERNDGTDYS SLIDNDIAGV QQPIQLYGPH STVSGEP
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	57,709 Da
Sequence Positions	1-377aa; partial
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 Q44493
Species	Azotobacter vinelandii
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for algE4 recombinant protein	MBS1329098 is a recombinant protein targeting algE4. Also known as Recombinant Azotobacter vinelandii Poly (beta-D-mannuronate) C5 epimerase 4 (algE4), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of algE4 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 algE4. It may not necessarily be applicable to this product.

NCBI GI #	34395496
NCBI Accession #	Q44493.1
UniProt Primary Accession #	Q44493

NCBI Official Full Name	Mannuronan C5-epimerase AlgE4
UniProt Protein Name	Mannuronan C5-epimerase AlgE4
UniProt Synonym Protein Names	Poly(beta-D-mannuronate) C5 epimerase 4
Protein Family	Poly(beta-D-mannuronate) C5 epimerase
UniProt Gene Name	algE4
UniProt Comments for algE4	Converts beta-D-mannuronic acid (M) to alpha-L-guluronic acid (G), but introduces almost exclusively MG blocks, producing a polymer with non-gel-forming capacity.
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