Putrescine Aminotransferase (patA) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putrescine aminotransferase (patA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Putrescine aminotransferase (patA)
Product Gene Name	patA recombinant protein
Sequence	MNRLPSSASA LACSAHALNL IEKRTLDHEE MKALNREVIE YFKEHVNPGF LEYRKSVTAG GDYGAVEWQA GGLNTLVDTQ GQEFIDCLGG FGIFNVGHRN PVVVSAVQNQ LAKQPLHSQE LLDPLRAMLA KTLAALTPGK LKYSFFCNSG TESVEAALKL AKAYQSPRGK FTFIATSGAF HGKSLGALSA TAKSTFRKPF MPLLPGFRHV PFGNIEAMRT ALNECKKTGD DVAAVILEPI QGEGGVILPP PGYLTAVRKL CDEFGALMIL DEVQTGMGRT GKMFACEHEN VQPDILCLAK ALGGGVMPIG ATIATEEVFS VLFDNPFLHT TTFGGNPLAC AAALATINVL LEQNLPAQAE QKGDMLLDGF RQLAREYPDL VQEARGKGML MAIEFVDNEI GYNFASEMFR QRVLVAGTLN NAKTIRIEPP LTLTIEQCEL VIKAARKALA AMRVSVEEA
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	49,631 Da
Sequence Positions	1-459, 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 B7LH08
Species	Escherichia coli (strain 55989 / EAEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for patA recombinant protein	MBS1188697 is a recombinant protein targeting patA. Also known as Recombinant Escherichia coli Putrescine aminotransferase (patA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of patA 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 patA. It may not necessarily be applicable to this product.

NCBI GI #	485651679
NCBI Accession #	WP_001297164.1
UniProt Primary Accession #	B7LH08
GenBank Nucleotide #	WP_001297164.1
NCBI Official Full Name	MULTISPECIES: putrescine aminotransferase

UniProt Protein Name	Putrescine aminotransferase
UniProt Synonym Protein Names	Putrescine--2-oxoglutaric acid transaminase
Protein Family	Acetate transporter protein
UniProt Gene Name	patA
UniProt Synonym Gene Names	PAT; PATase
UniProt Comments for patA	Catalyzes the aminotransferase reaction from putrescine to 2-oxoglutarate, leading to glutamate and 4-aminobutanal, which spontaneously cyclizes to form 1-pyrroline. Is also able to transaminate cadaverine and, in lower extent, spermidine, but not ornithine.
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