Putative Phenylalanine Aminotransferase (pat) Mycobacterium Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative phenylalanine aminotransferase (pat), Recombinant Protein
Full Product Name	Recombinant Mycobacterium sp. Putative phenylalanine aminotransferase (pat)
Product Gene Name	pat recombinant protein
Product Synonym Gene Name	pat
Sequence	MTARLRPELA DIPAYTPGKT VPGAIKIASN ETVHGPLPSV RAAIEKATDQ LNRYPDNGYL ELREHLASHL DKNLGAGAFT PEQIAVGCGS VSLCQQLIQI TSSVGDEVIF AWRSFEIYPL QVRTAGATPV QVPLRDHTHD LDAMLAAITD RTRLIFVCNP NNPTSTVVDP AALKRFVEAV PPHILVVIDE AYVEYIRGDQ VPDSFGLVRA HPNVVVLRTF SKAYGLAGLR IGYAVADADI VTALGKVYVP FSATSISQAA AIASIDAADE LLARTDQVVA ERDRVTAALR EAGFTLPPSQ SNFVWLPLAE RTLDFVRRAA ENRLVVRPYG EDGVRVTIAA PHENDAFLEF ARNWIGQP
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	38,892 Da
Sequence Positions	1-358, 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 Q1B1Z8
Species	Mycobacterium sp. (strain MCS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pat recombinant protein	MBS1484965 is a recombinant protein targeting pat. Also known as Recombinant Mycobacterium sp. Putative phenylalanine aminotransferase (pat). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pat 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 pat. It may not necessarily be applicable to this product.

NCBI GI #	499881623
NCBI Accession #	WP_011562357.1
UniProt Primary Accession #	Q1B1Z8
GenBank Nucleotide #	WP_011562357.1

NCBI Official Full Name	MULTISPECIES: aminotransferase
UniProt Protein Name	Putative phenylalanine aminotransferase
Protein Family	Bifunctional aspartate aminotransferase and glutamate/aspartate-prephenate aminotransferase
UniProt Gene Name	pat
UniProt Comments for pat	May catalyze the transamination reaction in phenylalanine biosynthesis.
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