Acetyl Esterase (aes) Salmonella Choleraesuis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acetyl esterase (aes), Recombinant Protein
Full Product Name	Recombinant Salmonella choleraesuis Acetyl esterase (aes)
Product Gene Name	aes recombinant protein
Product Synonym Gene Name	aes
Sequence	MKPENKIPVL TRLSDEMKAV VNFQQPGLPP WPADGDIETQ RQYYLLERRF WNADAPSMTT RTCAVPTPYG DVTTRLYSPQ PTSQATLYYL HGGGFILGNL DTHDRIMRLL ARYTGCTVIG IDYSLSPQAR YPQAIEETVA VCSYFSQHAD EYSLNVEKIG FAGDSAGAML ALASALWLRD KHIRCGNLIA ILLWYGLYGL QDSVSRRLFG GAWDGLTRED LDMYEKAYLR NDEDRESPWY CLFNNDLTRD VPPCFIASAE FDPLIDDSRL LHQTLQAHQQ PCEYKMYPGT LHAFLHYSRM MTIADDALQD GARFFMARMK TPR
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	36,840 Da
Sequence Positions	1-323, 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 Q57S73
Species	Salmonella choleraesuis (strain SC-B67)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for aes recombinant protein	MBS1472610 is a recombinant protein targeting aes. Also known as Recombinant Salmonella choleraesuis Acetyl esterase (aes). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of aes 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 aes. It may not necessarily be applicable to this product.

NCBI GI #	486183787
NCBI Accession #	WP_001539341.1
UniProt Primary Accession #	Q57S73
GenBank Nucleotide #	WP_001539341.1
NCBI Official Full Name	acetylesterase

UniProt Protein Name	Acetyl esterase
Protein Family	Acetyl esterase
UniProt Gene Name	aes
UniProt Comments for aes	Displays esterase activity towards short chain fatty esters (acyl chain length of up to 8 carbons). Able to hydrolyze triacetylglycerol (triacetin) and tributyrylglycerol (tributyrin), but not trioleylglycerol (triolein) or cholesterol oleate. Negatively regulates MalT activity by antagonizing maltotriose binding. Inhibits MelA galactosidase activity.
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