3-Aminobutyryl-Coa Ammonia Lyase (kal) Fusobacterium Nucleatum Subsp.nucleatum Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-aminobutyryl-CoA ammonia lyase (kal), Recombinant Protein
Full Product Name	Recombinant Fusobacterium nucleatum subsp.nucleatum 3-aminobutyryl-CoA ammonia lyase (kal)
Product Gene Name	kal recombinant protein
Product Synonym Gene Name	kal
Sequence	MKSLIRLRMS SHDAHYGGNL VDGARMLQLF GDVATELLIQ LDGDEGLFKA YDSVEFMAPV FAGDYIEAEG EIVNVGNSSR KMVFEARKVI VPRPDISDSA ADVLAEPIVV CRATGTCVTP KDKQRGKK
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	13,960 Da
Sequence Positions	1-128, 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 Q8RHX1
Species	Fusobacterium nucleatum subsp. nucleatum (strain 25586 / CIP 101130 / JCM 8532 / LMG 13131)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kal recombinant protein	MBS1317323 is a recombinant protein targeting kal. Also known as Recombinant Fusobacterium nucleatum subsp.nucleatum 3-aminobutyryl-CoA ammonia lyase (kal). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kal 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 kal. It may not necessarily be applicable to this product.

NCBI GI #	19705174
NCBI GeneID	992509
NCBI Accession #	NP_602669.1
UniProt Primary Accession #	Q8RHX1
UniProt Related Accession #	Q8RHX1
GenBank Nucleotide #	NC_003454.1

NCBI Official Full Name	hypothetical protein FN1869
NCBI Official Symbol	FN1869
UniProt Protein Name	3-aminobutyryl-CoA ammonia lyase
UniProt Synonym Protein Names	3-aminobutyryl-CoA deaminase
Protein Family	3-aminobutyryl-CoA ammonia lyase
UniProt Gene Name	kal
NCBI Protein Information	3-aminobutyryl-CoA ammonia-lyase
UniProt Comments for kal	Involved in the anaerobic fermentation of lysine. Catalyzes the deamination of L-3-aminobutyryl-CoA to produce crotonoyl-CoA.
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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