Adenine Deaminase (ade) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Adenine deaminase (ade), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Adenine deaminase (ade)
Product Gene Name	ade recombinant protein
Sequence	MNNSINHKFH HISRAEYQEL LAVSRGDAVA DYIIDNVSIL DLINGGEISG PIVIKGRYIA GVGAEYTDAP ALQRIDARGA TAVPGFIDAH LHIESSMMTP VTFETATLPR GLTTVICDPH EIVNVMGEAG FAWFARCAEQ ARQNQYLQVS SCVPALEGCD VNGASFTLEQ MLAWRDHPQV TGLAEMMDYP GVISGQNALL DKLDAFRHLT LDGHCPGLGG KELNAYITAG IENCHESYQL EEGRRKLQLG MSLMIREGSA ARNLNALAPL INEFNSPQCM LCTDDRNPWE IAHEGHIDAL IRRLIEQHNV PLHVAYRVAS WSTARHFGLN HLGLLAPGKQ ADIVLLSDAR KVTVQQVLVK GEPIDAQTLQ AEESARLAQS APPYGNTIAR QPVSASDFAL QFTPGKRYRV IDVIHNELIT HSHSSVYSEN GFDRDDVSFI AVLERYGQRL APACGLLGGF GLNEGALAAT VSHDSHNIVV IGRSAEEMAL AVNQVIQDGG GLCVVRNGQV QSHLPLPIAG LMSTDTAQSL AEQIDALKAA ARECGPLPDE PFIQMAFLSL PVIPALKLTS QGLFDGEKFA FTTLEVTE
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	63,739 Da
Sequence Positions	1-588, 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 P31441
Species	Escherichia coli (strain K12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ade recombinant protein	MBS1159560 is a recombinant protein targeting ade. Also known as Recombinant Escherichia coli Adenine deaminase (ade). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ade 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 ade. It may not necessarily be applicable to this product.

NCBI GI #	16131535
NCBI GeneID	948210
NCBI Accession #	NP_418121.1

UniProt Primary Accession #	P31441
UniProt Secondary Accession #	P78121; Q2M7X8
GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	cryptic adenine deaminase
NCBI Official Symbol	adeD
NCBI Official Synonym Symbols	ade; adeC; adu; ECK3656; JW3640; yicP
UniProt Protein Name	Adenine deaminase
Protein Family	Adenine deaminase
UniProt Gene Name	ade
UniProt Synonym Gene Names	yicP; Adenase; Adenine aminase
NCBI Protein Information	cryptic adenine deaminase
NCBI Summary for ade	ade and the adajcent probable adenine permease gene yicO may constitute an inducible adenine utilization divergon, however the convergent gene arrangement is not conserved outside of Escherichia coli. [More information is available at EcoGene: EG11692]. Ade is an adenine deaminase that is thought to be cryptic, as activity has been detected in mutant strains but not in wild type . [More information is available at EcoCyc: EG11692].
UniProt Comments for ade	MiscellaneousAde is a cryptic gene in wild-type strains. The physiological conditions that lead to its activation are unknown.
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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