

Biosynthetic arginine decarboxylase Recombinant Protein | speA recombinant protein

Recombinant E Coli Biosynthetic arginine decarboxylase

CATALOG #
AAA113123

HOST
E Coli

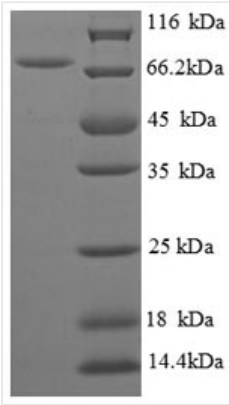
PRODUCT SYNONYMS

Biosynthetic arginine decarboxylase; Recombinant E Coli Biosynthetic arginine decarboxylase; speA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	3-656aa; Partial
Sequence	DDMSMGLPSS AGEHGVLRSM QEVAMSSQEA SKMLRTYNIA WWGNYYDVN ELGHISVCPD PDVPEARVDL AQLVKTREAQ GQRLPALFCF PQILQHRLRS INAAFKRARE SYGYNGDYFL VYPIKVNQHR RVIESLIHSG EPLGLEAGSK AELMAVLAHA GMTRSVIVCN GYKDREYIRL ALIGEKMGHK VYLVIEKMSE IAIVLDEAER LNVVPRLGVR ARLASQGS GK WQSSGGEKSK FGLAATQVLQ LVETLREAGR LDSLQLLHFH LGSQMANIRD IATGVRESAR FYVELHKLGV NIQCFDVGGG LGVDYEGTRS QSDCSVNYGL NEYANNIIWA IGDACEENGL PHPTVITESG RAVTAHHTVL VSNIGVERN EYTVPTAPAE DAPRALQSMW ETWQEMHEPG TRRSLEWLH DSQMDLHDIH IGYSSGIFSL QERAWAEQLY LSMCHEVQKQ LDPQNRARHP IDELQERMA DKMYVNFSLF QSMPDAWGID QLFPVLPLEG LDQVPERRAV LLDITCSDG AIDHYIDGDG IATTMPMPEY DPENPPMLGF FMVGAYQEIL GNMHNLF GDT EAVDVFVFPD GSVEVELSDE GDTVADMLQY VQLDPKTLT QFRDQVKKTD LDAELQQFL EEFEAGLYGY TYLE
Sequence Length	656
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for speA recombinant protein	Catalyzes the biosynthesis of agmatine from arginine.
References	Nucleotide sequence and analysis of the <i>speA</i> gene encoding biosynthetic arginine decarboxylase in <i>Escherichia coli</i>. Moore R.C., Boyle S.M.J. <i>Bacteriol.</i> 172:4631-4640(1990) The complete genome sequence of <i>Escherichia coli</i> K-12. Blattner F.R., Plunkett G. III, Bloch C.A., Perna N.T., Burland V., Riley M., Collado-Vides J., Glasner J.D., Rode C.K., Mayhew G.F., Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J., Mau B., Shao Y. <i>Science</i> 277:1453-1462(1997) Highly accurate genome sequences of <i>Escherichia coli</i> K-12 strains MG1655 and W3110. Hayashi K., Morooka N., Yamamoto Y., Fujita K., Isono K., Choi S., Ohtsubo E., Baba T., Wanner B.L., Mori H., Horiuchi T. <i>Mol. Syst. Biol.</i> 2:E1-E5(2006) Influence of cyclic AMP, agmatine, and a novel protein encoded by a flanking gene on <i>speB</i> (agmatine ureohydrolase) in <i>Escherichia coli</i>. Szumanski M.B.W., Boyle S.M.J. <i>Bacteriol.</i> 174:758-764(1992) Biosynthetic arginine decarboxylase from <i>Escherichia coli</i>. Purification and properties. Wu W.H., Morris D.R.J. <i>Biol. Chem.</i> 248:1687-1695(1973)

NCBI AND UNIPROT INFORMATION

NCBI GI #	16130839
NCBI GeneID	947432
NCBI Accession #	NP_417413.1
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P21170; Q2M9Q5
Molecular Weight	77.4 kDa
NCBI Official Full Name	biosynthetic arginine decarboxylase, PLP-binding
NCBI Official Symbol	speA
NCBI Official Synonym Symbols	ECK2933; JW2905
NCBI Protein Information	biosynthetic arginine decarboxylase, PLP-binding
UniProt Protein Name	Biosynthetic arginine decarboxylase
UniProt Gene Name	speA
UniProt Synonym Gene Names	ADC
UniProt Entry Name	SPEA_ECOLI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/spea-recombinant-protein-e-coli/113123>