

Recombinant E.coli speA protein, His-tagged

Cat. No. speA-325 Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant E.coli speA protein fused with His tag was expressed in E. coli.
Species	E.coli
Source	E.coli
Description	Biosynthetic arginine decarboxylase played an important role in many functions. Catalyzes the biosynthesis of agmatine from arginine.
Form	PBS, pH 7.4, 50% glycerol
Molecular Mass	76kD
AA Sequence	DDMSMGLPSSAGEHGVLRSMQEAMSSQEASKMLRTYNIWWGNNYYDVNELGH ISVCPDPDVPEARVDLAQLV KTREAQGQRLPALFCFPQILQHRLRSINAAFKRARES YGYNGDYFLVYPIKVNQHRRVIESLIHSGEPLGLEAG SKAELMAVLAHAGMTRSVIV CNGYKDREYIRLALIGEKMGHKVYLVEIKMSEIAIVLDEAERLNVVPRLGVRAR LASQ GSGKWQSSGGEKSKFGLAATQVLQLVETL
Purity	>90% by SDS-PAGE
Storage	Store at -20 centigrade, or for extended storage, conserve at -20 centigrade or -80 centigrade. Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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GENE INFORMATION

Gene Name	speA biosynthetic arginine decarboxylase, PLP-binding [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	speA
Synonyms	ECK2933; JW2905; biosynthetic arginine decarboxylase, PLP-binding; biosynthetic arginine decarboxylase
Gene ID	947432
mRNA Refseq	
Protein Refseq	NP_417413
MIM	
UniProt ID	P21170
Pathway	Arginine and proline metabolism, organism-specific biosystem; L-arginine degradation III (arginine decarboxylase/agmatinase pathway), organism-specific biosystem; superpathway of arginine and polyamine biosynthesis, conserved biosystem

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