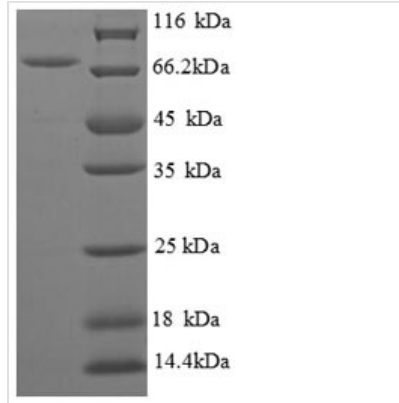


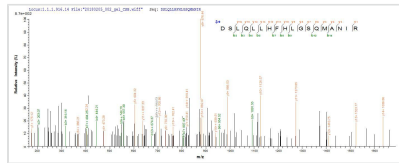


Recombinant Escherichia coli Biosynthetic arginine decarboxylase (speA), partial

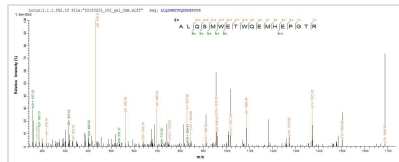
Product Code	CSB-RP145074Ba
Relevance	Catalyzes the biosynthesis of agmatine from arginine.
Abbreviation	Recombinant E.coli speA protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P21170
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	DDMSMGLPSSAGEHGVLRSMQEAMSSQEASKMLRTYNIWWGNNYYDVN ELGHISVCPDPDVPEARVDLAQLVKTREAQQQRLPALFCFPQILQHRLRSINAA FKRARESYGYNGDYFLVYPIKVNQHRRVIESLIHSGEPLGLEAGSKAELMAVLA HAGMTRSVIVCNGYKDREYIRLALIGEKMGHKVVYLVIEKMSEIAIVLDEAERLNV VPRLGVRARLASQGSQGWQSSGGEKSKFGLAATQVLQVETLREAGRDLDSLQ LLHFHLGSQMANIRDIATGVRESARFYVELHKLGVNIQCDFVGGGLGVVDYEGT RSQSDCSVNYGLNEYANNIIWAIGDACEENGLPHPTVITESGRAVTAHHTVLVS NIIGVERNEYTVPTAPAEDAPRALQSMWETWQEMHEPGTRRSLREWLHDSQ MDLHDIHIGYSSGIFSLQERAWAEQLYLSMCHEVQKQLDPQNRHRPIIDELQE RMADKMYVNFSLFQSMQDAWQIDQLFPVLPLEGLDQVPERRAVLLDITCDS GAIDHYIDGDIATMPPEYDPENPPMLGFFMVGAYQEILGNMHNLFQDTEA VDVVFVDPDGSVEVELSDEGDTVADMLQYVQLDPKTLTQFRDQVKKTDLDAEL QQQFLEEFEGLYGYTYLE
Research Area	Others
Source	E.coli
Target Names	speA
Expression Region	3-656aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	77.4kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-RP145074Ba could indicate that this peptide derived from E.coli-expressed Escherichia coli (strain K12) speA.



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Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.