

## speA Protein, *Shewanella putrefaciens* (FLAG, His)

Cat. No.:	HY-P702091
Synonyms:	speA; Biosynthetic arginine decarboxylase; ADC
Species:	Others
Source:	E. coli
Accession:	A4Y5Y9 (M1-S637)
Gene ID:	/
Molecular Weight:	

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	The speA protein serves as a catalytic linchpin in the intricate biosynthetic journey from arginine to agmatine. With precision and enzymatic finesse, speA orchestrates the conversion, showcasing its pivotal role in this biochemical pathway. The transformation guided by speA underscores its indispensability in cellular metabolism, accentuating the protein's significance in sustaining the delicate equilibrium of essential biological processes within the cell. In catalyzing the synthesis of agmatine, speA emerges as a key player in the intricate dance of molecular transformations that characterize fundamental cellular functions.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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