

Recombinant Escherichia coli DAPA Protein (1-292 aa), His-tagged

Cat. No. DAPA-1313E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) DAPA Protein (1-292 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	E.coli
Source	E.coli
ProteinLength	1-292 aa
Description	Catalyzes the condensation of (S)-aspartate-beta-sialdehyde [(S)-ASA] and pyruvate to 4-hydroxy-tetrahydronicotinate (HTPA).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	35.3 kDa
AA Sequence	MFTGSIVAIVTPMDEKGNVCRASLKKLIDYHVASGTSIAIVSGTTGESATLNHDEHAD VMMTLDLADGRIPVIAGTGANATAEAI SLTQRFNDSGIVGCLTVTPYYNRPSQEGLY QHFKAIAEHTDLPQILYNVPSRTGCDLLPETVGR LAKVKNIIGIKEATGNLTRVNQIKEL VSDDFVLLSGDDASALDFMQLGGHGVISVTANVAARDMAQMCKLAAEGHFAEARVI NQRLMPLHNKLFVEPNPIPVKWACKELGLVATDTLRLPMTPTIDSGRET VRAALKHA GLL

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

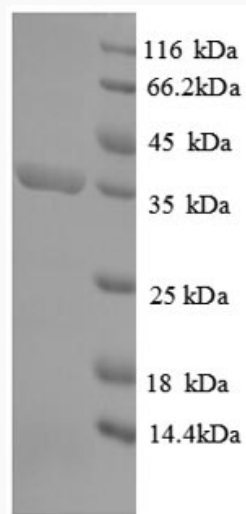
GENE INFORMATION

Gene Name	dapA 4-hydroxy-tetrahydrodipicolinate synthase [<i>Escherichia coli</i> str. K-12 substr. MG1655]
Official Symbol	DAPA
Synonyms	ECK2474;
Gene ID	946952
Protein Refseq	NP_416973
UniProt ID	P0A6L2

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

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