

Recombinant E. coli nadB Protein

Cat. No. nadB-852 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E. coli nadB was produced in E. coli.
Species	E.coli
Source	E.coli
Description	L-aspartate oxidase (NadB) is the first enzyme in the de novo NAD biosynthesis pathway, catalyzing the FAD-dependent oxidation of L-aspartate to iminoaspartate.
Form	0.2 µm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, pH8.0, 10% glycerol
Molecular Mass	61 kDa
AA sequence	MNTLPEHSCDVLIIGSGAAGLSLALRLADQHQVIVLSKGPVTEGSTFYAQGGIAAVFD ETDSIDSHVEDTLIAGAGICDRHAVEFVASNARSCVQWLIDQGVLFDTIQPNGEESY HLTREGGHSRRILHAADATGREVETTLVSKALNHPNIRVLERSNAVDLIVSDKIGLP GTRRVVGAWVWNRNKETVETCHAKAVVLATGGASKVYQYTTNPDISSGDGIAMAW RAGCRVANLEFNQFHPTALYHPQARNFLLTEALRGEGAYLKRPDGTFRMPDFDER GELAPRDIVARAIDHEMKRLGADCMFLDISHKPADFIRQHFPMIYEKLLGLGIDLTQEP VPIVPAAHYTCGGVMVDDHGRTDVEGLYAIGEVSYTGLHGANRMASNSLLECLVYG WSAAEDITRRMPYAHDISTLPPWDESRVENPDERVVIQHNWHELRLFMWDYVGIVR TTKRLERALRRITMLQQEIDEYYAHFRVSNNLLELRNLVQVAELIVRCAMMRKESRG LHFTLDYPELLTHSGPSILSPGNHYINR
Endotoxin	<1.0 EU per 1µg of the protein by the LAL method.

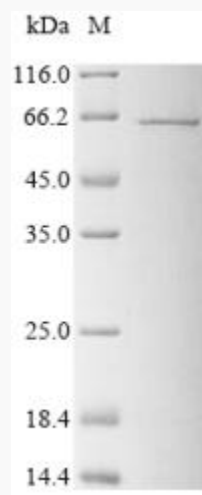
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 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	0.85
Storage	Store at -20 centigrade, 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.
Concentration	0.1 mg/ml
GENE INFORMATION	
Gene Name	nadB quinolinate synthase, L-aspartate oxidase (B protein) subunit [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	nadB
Synonyms	ECK2572; JW2558; nic; nicB
Gene ID	947049
Protein Refseq	NP_417069
UniProt ID	P10902

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