Active Recombinant E. coli L-Aspartate Oxidase (EC 1.4.3.16)

Cat. No. nadB-01E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant E. coli L-Aspartate Oxidase
Species	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.
Tag	Non
Form	Light yellow liquid
Bio-Activity	Specific Activity: 7.8 U/mg Protein Activity: 3.3 U/mg solid
Unit Definition	One unit is equal to oxide L-aspartate to produces 1 μmol H2O2 in one minute with one mg L-aspartate oxidase.
Purity	> =95% by SDS-PAGE
Storage	At -20 centigrade or below. Avoid repeated freeze-thaw cycles
Storage Buffer	10mM Potassium phosphate buffer
Concentration	1.8 mg/mL

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GENE INFORMATION

Gene Name	nadB L-aspartate oxidase [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	nadB
Synonyms	nadB; L-aspartate oxidase; ECK2572; nic; nicB; L-aspartate oxidase; EC 1.4.3.16
Gene ID	947049
Protein Refseq	NP_417069
UniProt ID	U5NVE5

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