



Recombinant *Pyrococcus horikoshii* L-aspartate oxidase (nadB)

Product Code	CSB-EP527569FHX-B
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.	O57765
Product Type	Recombinant Protein
Immunogen Species	<i>Pyrococcus horikoshii</i> (strain ATCC 700860 / DSM 12428 / JCM 9974 / NBRC 100139 / OT-3)
Purity	≥85% (SDS-PAGE)
Sequence	MMEMRVGIVG GGLAGLTAAI ALAEKGFDVS IIGPRSTDSN SYLAQAGIAL PLLEGDSIRI HVLDTIKAGK YINDEEIVWN VISKSSSEAHF FLTSHGVTFT GNELEGGHSY PRIFTIKSET GKHIIPILEK HARELDVNFI RGFVEEIGIN NGKLAGVFLQ GELLKFDAVV IAAGGFSGLY RFTAGVKNNI GLLIGDVALK GVPLRDMFV QFHPTGFIGK RTYLITEAVR GAGAKLVTGD GERFVNELET RDIVARAIYM KMLEGKGVFL DARGIENFKD RFPYIYSVLR GEGINPEKDL IPITPVAHYT IGGISVDAFY RTRIKGLYAI GESACNGFHG ANRLASNSLL ECVVSGLIVA RTISREKPKR EVNDAPYSFN ELGDVDSIRE VLWNHAGIVR DEWSLREGLR KLKEIEVDER LKLVAKAVII SALKREESRG AHYRKDYPFM RKEFEHSSFF YPNV
Source	E.coli
Target Names	nadB
Protein Names	Recommended name: L-aspartate oxidase Short name= LASPO EC= 1.4.3.16 Alternative name(s): Quinolinate synthase B
Expression Region	1-464
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
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.