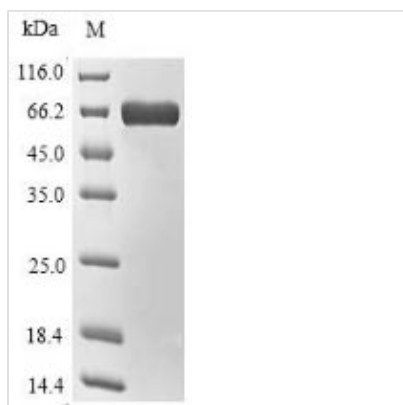


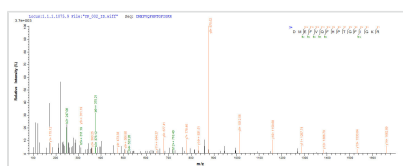


# Recombinant Pyrococcus horikoshii L-aspartate oxidase (nadB)

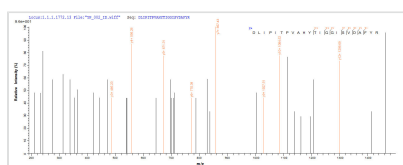
|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-EP527569FHX   |
| <b>Relevance</b>         | Catalyzes the oxidation of L-aspartate to iminoaspartate.   |
| <b>Abbreviation</b>      | Recombinant Pyrococcus horikoshii nadB protein  |
| <b>Storage</b>           | 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.   |
| <b>Uniprot No.</b>       | O57765  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Pyrococcus horikoshii (strain ATCC 700860 / DSM 12428 / JCM 9974 / NBRC 100139?)  |
| <b>Purity</b>            | Greater than 85% as determined by SDS-PAGE.   |
| <b>Sequence</b>          | MMEMRVGIVGGGLAGLTAAIALAEKGFVDSIIGPRSTDSNSYLAQAGIALPLLEGDSIRIHVLDTIKAGKYINDEEIVWNVSKSSEAHDFTSHGVTFTGNELEGGHSYPRIFTIKSETGKHIIPILEKHARELDVNFIRGFVEEIGINNGKLAGVFLQGELLKFDAVVIAAGGFSGLYRFTAGVKNNIGLLIGDVALKGVPLRDMFVQFHPTGFIGKRTYLITEAVRGAGAKLVTGDGERFVNELETRDIVARAIYMKMLEGKGVFLDARGIENFKDRFPYIYSVLRGEGINPEKDLIPITPVAHYTIGGISVDAFYRTRIKGLYAI GESACNGFHHGANRLASNSLLECVVSGLEVARTISREKPKREVNDAPYSFNELG DVDSIREVLWNHAGIVRDEWSLREGLRLKLEIEVDERLKLVAKAVIISALKREES RGAHYRKDYPFMRKEFEHSSFFYPNV |
| <b>Research Area</b>     | others  |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | nadB  |
| <b>Protein Names</b>     | Quinolinate synthase B  |
| <b>Expression Region</b> | 1-464aa   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged   |
| <b>Mol. Weight</b>       | 71.3kDa   |
| <b>Protein Length</b>    | Full Length   |
| <b>Image</b>             |   |



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP527569FHX could indicate that this peptide derived from E.coli-expressed *Pyrococcus horikoshii* (strain ATCC 700860 / DSM 12428 / JCM 9974 / NBRC 100139) nadB.



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## 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

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