

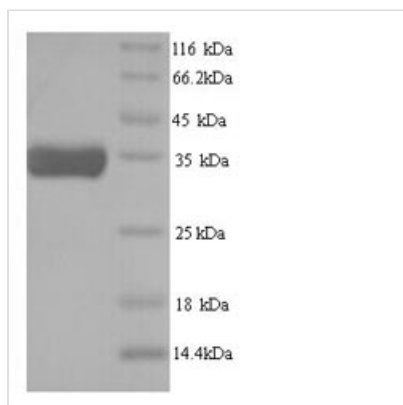


Recombinant Caenorhabditis elegans ATP-dependent (S)-NAD (P)H-hydRate dehydRatase (R107.2)

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|--------------------------|---|
| Product Code | CSB-YP333729CXY |
| Relevance | Catalyzes the dehydration of the S-form of NAD(P)HX at the expense of ATP, which is converted to ADP. Together with NAD(P)HX epimerase, which catalyzes the epimerization of the S- and R-forms, the enzyme allows the repair of both epimers of NAD(P)HX, a damaged form of NAD(P)H that is a result of enzymatic or heat-dependent hydration. |
| Abbreviation | Recombinant Caenorhabditis elegans R107.2 protein |
| 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. | P32740 |
| Alias | ATP-dependent NAD(P)HX dehydratase |
| Product Type | Recombinant Protein |
| Immunogen Species | Caenorhabditis elegans |
| Purity | Greater than 90% as determined by SDS-PAGE. |
| Sequence | MDHFIKLLPKLTPHLRKGDCGKMGVIGGSLEYTGAPYFAASSASRLGADLIHIF CDPDAAQVIKGYSPDLIVHPGMTANSIIPKLSRMDAIVIGPGLGRNPNIWPLMQ ELFEFVRNRDVPFVIDGDGLWVSEHIEKFPRQMSATVLTNPIVEFSRLCKSAL GEEDVLNVRNNSQLQHAAELSRKMNVTIYLKGEVDLVVTPNGEVSKCSTESS LRRCGGQGDVTAGSLGLFLYWAKKNLGDDWTSAHHEAGIASSWLVRTAGRR AFEKHGRSMNTPLLLDEIPKLVRDVETREMKDVTHTDSSKH |
| Research Area | Others |
| Source | Yeast |
| Target Names | R107.2 |
| Protein Names | Recommended name: ATP-dependent (S)-NAD(P)H-hydrate dehydratase EC=4.2.1.93 Alternative name(s): ATP-dependent NAD(P)HX dehydratase |
| Expression Region | 1-307aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 6xHis-tagged |
| Mol. Weight | 35.9kDa |
| Protein Length | Full Length |



Image



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

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.