



# Recombinant Human Optic atrophy 3 protein (OPA3)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-YP880985HU  |
| <b>Abbreviation</b>      | OPA3  |
| <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>       | Q9H6K4  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | MVVGAFPMK LLYLGIRQVS KPLANRIKEA ARRSEFFKTY ICLPPAQLYH<br>WVEMRTKMRI MGFRGTVIKP LNEEAAAELG AELLGEATIF IVGGGCLVLE<br>YWRHQAQQRH KEEEQRAAWN ALRDEVGHLA LALEALQAQV<br>QAAPPQGALE ELRTELQEV R AQLCNPGRSA SHAVPASKK   |
| <b>Source</b>            | Yeast   |
| <b>Target Names</b>      | OPA3  |
| <b>Protein Names</b>     | Recommended name: Optic atrophy 3 protein   |
| <b>Expression Region</b> | 1-179   |
| <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>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | full length protein   |
| <b>Target Details</b>    | The mouse ortholog of this protein co-purifies with the mitochondrial inner membrane. Mutations in this gene have been shown to result in 3-methylglutaconic aciduria type III and autosomal dominant optic atrophy and cataract. Multiple transcript variants encoding different isoforms have been found for this gene.   |
| <b>Reconstitution</b>    | 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. |
| <b>Shelf Life</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.   |