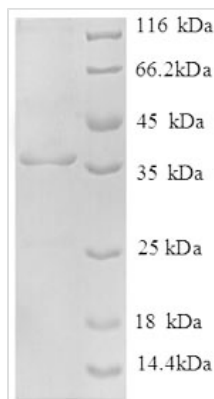




# Recombinant Human NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2 (NDUFA2), partial

|                   |                                                                                                                                                                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Code      | CSB-RP029854h                                                                                                                                                                                                                                                                                                       |
| Relevance         | Accessory subunit of the mitochondrial mbrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. |
| Abbreviation      | Recombinant Human NDUFA2 protein, partial                                                                                                                                                                                                                                                                           |
| 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.       | O43678                                                                                                                                                                                                                                                                                                              |
| Alias             | Complex I-B8 ;CI-B8NADH-ubiquinone oxidoreductase B8 subunit                                                                                                                                                                                                                                                        |
| Product Type      | Recombinant Protein                                                                                                                                                                                                                                                                                                 |
| Immunogen Species | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                |
| Purity            | ≥ 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| Sequence          | AAASRGVGA KLGLREIRIHL CQRSPGSQGV RDFIEKRYVELKKANPDLPI LIRECSDVQPKLWARYAFGQETNVPLNNFSADQVTRALENVLSGKA                                                                                                                                                                                                                |
| Research Area     | Transport                                                                                                                                                                                                                                                                                                           |
| Source            | E.coli                                                                                                                                                                                                                                                                                                              |
| Target Names      | NDUFA2                                                                                                                                                                                                                                                                                                              |
| Expression Region | 4-99aa                                                                                                                                                                                                                                                                                                              |
| Notes             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                 |
| Tag Info          | N-terminal GST-tagged                                                                                                                                                                                                                                                                                               |
| Mol. Weight       | 37.6kDa                                                                                                                                                                                                                                                                                                             |
| Protein Length    | Partial                                                                                                                                                                                                                                                                                                             |
| 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.