

# Human Cochlin (short isoform, His Tag) recombinant protein



Catalog Number: 500629

## General Information

### Gene Name Synonym

COCH-5B2

### Protein Construction

A DNA sequence encoding the mature form of human COCH (NP\_001128530.1) (Glu 25-Gln 550) was expressed, with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 92 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

His

### Molecular Mass

The recombinant full length of human COCH consists of 542 amino acids and has a calculated

molecular mass of 59.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCOCH is approximately 18 kDa, corresponding to the alternative splicing short isoform, which lacks two VWFA domains.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

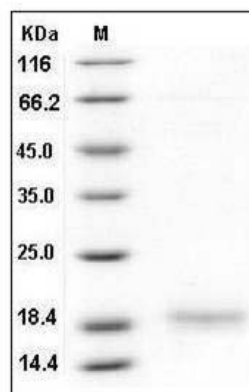
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Cochlin / COCH Protein (short isoform, His Tag) SDS-PAGE