

# Human COMMD8 Protein (His Tag)

Catalog Number: 14666-H07E



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Biological Solution Specialist

## General Information

### Gene Name Synonym:

COMMD8

### Protein Construction:

A DNA sequence encoding the human COMMD8 (AAH19826.1) (Met1-Lys183) was expressed with a polyhistidine tag at the N-terminus.

**Source:** Human

**Expression Host:** E. coli

## QC Testing

**Purity:** > 95 % as determined by SDS-PAGE

### Endotoxin:

Please contact us for more information.

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** His

### Molecular Mass:

The recombinant human COMMD8 consists of 198 amino acids and predicts a molecular mass of 23 KDa. It migrates as an approximately 21-24 KDa band in SDS-PAGE under reducing conditions.

### Formulation:

Lyophilized from sterile 50mM Tris, 100mM NaCl, 10% Glycerol, pH 8.0.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

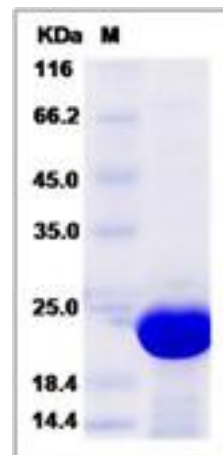
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## Protein Description

COMMD8 is a member of the COMMD family. Members of this family are a group of evolutionary conserved proteins that share a common COMM domain at the extreme C-terminus, which provides an interface for protein-protein interactions. Most COMMD proteins play a role in the regulation of NF- $\kappa$ B and, despite their similarities, seem to function in unique and non-redundant pathways. COMMD proteins may also play a role in the function of epithelial sodium channels, cell proliferation, copper homeostasis and in the regulation of the ubiquitin pathway. COMMD8 also contains 1COMM domain and is widely expressed with highest expression in thyroid.

## References

1. Danielsen JM. et al., 2011, Mol Cell Proteomics. 10 (3): M110.003590.
2. Vinayagam A. et al., 2011, Sci Signal. 4 (189): rs8.
3. Havugimana PC. et al., 2012, Cell. 150 (5): 1068-81.

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