

# Recombinant human COMMD1 protein

Catalog Number: ATGP0630

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-190aa

### UniProt No.

Q8N668

### NCBI Accession No.

NP\_689729

### Alternative Names

COMM domain-containing protein 1, C2orf5, MuRR1, COMM domain-containing protein 1, COMMD-1, COMMD 1, COMM, MuRR 1, MuRR-1

## PRODUCT SPECIFICATION

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### Molecular Weight

23.3 kDa (210aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 0.1M NaCl

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

COMMD1, also known as copper metabolism MuRR1 domain-containing protein 1, is a 190 amino acid protein responsible for inhibition of TNF-induced NFkB p50 and has a suggested role in facilitation of biliary copper excretion within hepatocytes. High expression is found in liver tissue, with lower expressions in lung, heart, kidney and brain tissue. This protein interacts directly with COMMD6 and ATP7B, and indirectly with IkB-beta and COMMD7. Recombinant human COMMD1 protein, fused to His-tag at N-terminus, was expressed in E. coli and

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purified by using conventional chromatography techniques.

## Amino acid Sequence

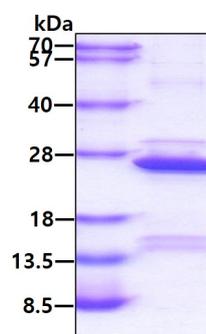
<MGSSHHHHHH SSGLVPRGSH> MAAGELEGGK PLSGLLNALA QDTFHGYPGI TEELLRSQLY PEVPPEEFRP FLAKMRGILK  
SIASADMDFN QLEAFLTAQT KKQGGITSDQ AAVISKFWKS HKTKIRESLM NQSRWNSGLR GLSWRVDGKS QSRHSAQIHT  
PVAIIIELELG KYGQESEFLC LEFDEVKVNQ ILKTLSEVEE SISTLISQPN

## General References

Van De Sluis B, et al. (2002) Hum Mol Genet. 11(2):165-73.  
Muller T, et al. (2003) J Hepatol. 38(2):164-8.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.