

Recombinant human COMMD1 protein

Catalog Number: ATGP0630

PRODUCT INFORMATION

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

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

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 NQSRWNGLR GLSWRVDGKS QSRHSAQIHT
PVAIIIELELG KYGQSEFLC LEFDEVKVNQ ILKTLSEVEE SISTLISQPN

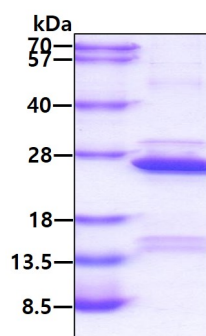
General References

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.