

AR09567PU-N

Human COMMD1 (1-190, His-tag) - Purified

Alternate names:

C2orf5, COMM domain-containing protein 1, MURR1, Protein Murr1

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

COMMD1, also known as copper metabolism MURR1 domain-containing protein 1, is a 190 amino acid protein responsible for inhibition of TNF-induced NFκB 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 IκB-β and COMMD7.

Uniprot ID:

[Q8N668](#)

NCBI:

[NP_689729](#)

GeneID:

[150684](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1 M NaCl

Description:

Recombinant human COMMD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

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

Molecular weight: 23.3 kDa (210aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

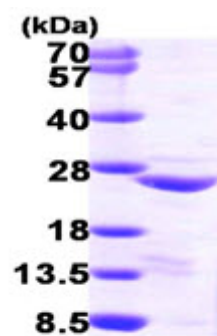
Shelf life: one year from despatch.

General Readings:

Van De Sluis B, et al. (2002) Hum Mol Genet. 11(2):165-73.

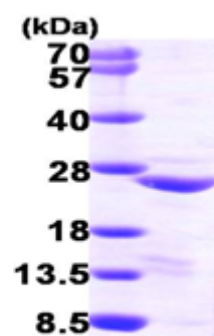
Müller T, et al. (2003) J Hepatol. 38(2):164-8.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human COMMD1, 1-190 aa,
His-tagged



15% SDS-PAGE (3ug)