

Recombinant Human COMMD1, His-tagged

Cat. No. COMMD1-2732H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human COMMD1 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 23.3 kDa (210aa), confirmed by MALDI-TOF.
Species	Human
Source	<i>E.coli</i>
Description	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.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MAAGELEGGK PLSGLLNALA QDTFHGYPGI TEELLRSQLY PEVPPEEFRP FLAKMRGILK SIASADMDFN QLEAFLTAQT KKQGGITSDQ AAVISKFWSK HKTKIRESLM NQSRWNSGLR GLSWRVDGKS QSRHSAQIHT PVAIIIELELG KYGQESEFLC LEFDEVKVNQ ILKTLSEVEE SISTLISQPN
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl.
Purity	> 90% by SDS – PAGE.

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Concentration	0.5 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	COMMD1 copper metabolism (Murr1) domain containing 1 [Homo sapiens]
Synonyms	COMMD1; copper metabolism (Murr1) domain containing 1; MURR1; C2orf5; MGC27155; COMM domain-containing protein 1; protein Murr1; copper metabolism gene MURR1; chromosome 2 open reading frame 5 (MURR1)
Gene ID	150684
mRNA Refseq	NM_152516
Protein Refseq	NP_689729
MIM	607238
UniProt ID	Q8N668
Chromosome Location	2p15
Function	identical protein binding; protein binding