

## Recombinant Human COMMD1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Sequences Of Amino Acids</b>	MGSSHHHHHH SSGLVPRGSH MAAGELEGGK PLSGLLNALA QDTFHGYPGI TEELLRSQLY PEVPPEEFRP FLAKMRGILK SIASADMDFN QLEAFLTAQT KKQGGITSDQ AAVISKFWSK HKTKIRESLM NQSRWNSGLR GLSWRVDGKS QSRHSAQIHT PVAIIIELELG KYGQESEFLC LEFDEVKVNQ ILKTLSEVEE SISTLISQPN
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl.
<b>Purity</b>	> 90% by SDS – PAGE.

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<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay).
<b>Storage</b>	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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	COMMD1 copper metabolism (Murr1) domain containing 1 [ Homo sapiens ]
<b>Synonyms</b>	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)
<b>Gene ID</b>	150684
<b>mRNA Refseq</b>	NM_152516
<b>Protein Refseq</b>	NP_689729
<b>MIM</b>	607238
<b>UniProt ID</b>	Q8N668
<b>Chromosome Location</b>	2p15
<b>Function</b>	identical protein binding; protein binding

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