

Recombinant Human COMMD1, His-tagged

Cat. No. COMMD1-28013TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein of Human COMMD1/MURR1 fused to 20 amino acid His-Tag at N-terminus, 23.3kDa.
Species	Human
Source	E.coli
ProteinLength	190 amino acids
Description	COMMD1 is a regulator of copper homeostasis, sodium uptake, and NF-kappa-B (see MIM 164011) signaling (de Bie et al.
Conjugation	HIS
Molecular Weight	23.300kDa inclusive of tags
Tissue specificity	Ubiquitous. Highest expression in the liver, with lower expression in brain, lung, placenta, pancreas, small intestine, heart, skeletal muscle, kidney and placenta.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.58% Sodium chloride, 20% Glycerol

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MAAGELEGGK PLSGLLNALA QDTFHGYPGI TEELLRSQLY PEVPPEEFRP FLAKMRGILK SIASADMDFNQLEAFLTAQT KKQGGITSDQ AAVISKFWKS HKTKIRESLM NQSRWNSGLR GLSWRVDGKS QSRHSAQIHT PVAIIIELELG KYGQESEFLC LEFDEVKVNQ ILKTLSEVEE SISTLISQPN
Sequence Similarities	Contains 1 COMM domain.
GENE INFORMATION	
Gene Name	COMMD1 copper metabolism (Murr1) domain containing 1 [Homo sapiens]
Official Symbol	COMMD1
Synonyms	COMMD1; copper metabolism (Murr1) domain containing 1; C2orf5, chromosome 2 open reading frame 5 (MURR1); COMM domain-containing protein 1; copper metabolism gene MURR1; MGC27155; MURR1;
Gene ID	150684
mRNA Refseq	NM_152516
Protein Refseq	NP_689729
MIM	607238
Uniprot ID	Q8N668

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Chromosome Location	2p15
Pathway	TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;
Function	copper ion binding; identical protein binding; metal ion binding; protein binding; protein homodimerization activity;

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