

Product datasheet for RC224598L2V

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Ceruloplasmin (CP) (NM_000096) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Symbol: Ceruloplasmin

Synonyms: CP-2

Mammalian Cell: None

Selection:

Vector: pLenti-C-mGFP (PS100071)

Tag: mGFP

ACCN: NM_000096

ORF Size: 3195 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as (RC224598).

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

RefSeq: [NM_000096.1](#), [NP_000087.1](#)

RefSeq Size: 3321 bp

RefSeq ORF: 3198 bp

Locus ID: 1356

UniProt ID: [P00450](#)

Cytogenetics: 3q24-q25.1



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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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Domains: Cu-oxidase

Protein Families: Druggable Genome

Protein Pathways: Porphyrin and chlorophyll metabolism

MW: 122.21 kDa

Gene Summary: The protein encoded by this gene is a metalloprotein that binds most of the copper in plasma and is involved in the peroxidation of Fe(II)transferrin to Fe(III) transferrin. Mutations in this gene cause aceruloplasminemia, which results in iron accumulation and tissue damage, and is associated with diabetes and neurologic abnormalities. Two transcript variants, one protein-coding and the other not protein-coding, have been found for this gene. [provided by RefSeq, Feb 2012]