

Product datasheet for **RC224598L2V**

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



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]