

Product datasheet for **MR203724L4V**

Cbr1 (NM_007620) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cbr1 (NM_007620) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cbr1
Synonyms:	AW261796; Cbr; CR
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007620
ORF Size:	834 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203724).
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_007620.2 , NP_031646.2
RefSeq Size:	1081 bp
RefSeq ORF:	834 bp
Locus ID:	12408
UniProt ID:	P48758
Cytogenetics:	16 54.53 cM



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Gene Summary:

NADPH-dependent reductase with broad substrate specificity. Catalyzes the reduction of a wide variety of carbonyl compounds including quinones, prostaglandins, menadione, plus various xenobiotics. Catalyzes the reduction of the antitumor anthracyclines doxorubicin and daunorubicin to the cardiotoxic compounds doxorubicinol and daunorubicinol. Can convert prostaglandin E2 to prostaglandin F2-alpha. Can bind glutathione, which explains its higher affinity for glutathione-conjugated substrates. Catalyzes the reduction of S-nitrosoglutathione (By similarity).[UniProtKB/Swiss-Prot Function]