

## Product datasheet for MC204275

### Cbr1 (NM\_007620) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cbr1 (NM_007620) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cbr1
Synonyms:	AW261796; Cbr; CR
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC012714 CCACGCGTCCGCCACGCGTCCGCTTGGTCTCCGACGGCCTCCCTTCTCACGCAGCCATGTCTTCCAGCA GACCCGTGGCGCTGGTGACCGGTGCTAACAAAGGAATCGGATTGCGGATCACTCGTGACCTGTGTCGGAA ATTCTCCGGGACGTGGTGCTCGCGGCGGGACGAGGAGCGGGCCAAACGGCAGTGCAAAAGCTGCAG GCGGAGGGCCTGAGCCCACGCTTCCACCAGCTGGACATCGACAACCCGAGAGCATTGCGCACTGCGCG ACTTTCTGCTCAAGGAATACGGAGGCCTGGACGTGCTGGTCAACAACGCAGGCATCGCCTTCAAGGTCAA TGACGACACCCCCTTCCACATTCAAGCAGAGGTGACAATGAAAACGAACTTTTTTGGTACCCGAGATGTC TGCAAGGAGCTGCTCCCTCTAATAAAACCCCAAGGCAGAGTGGTGAATGTGTCCAGCATGGTGAGTCTCA GGGCCCTGAAAACTGCAGGCTGGAGCTGCAGCAGAAGTTTGAAGCGAGACCATCACAGAGGAGGAGCT GGTGGGGCTCATGAACAAGTTTGTGAAGATACAAAGAAAGGAGTCCATGCGGAAGAAGGTTGGCCTAAT AGTGCATATGGGGTCACCAAGATTGGGGTGACAGTCTGTCCAGAATCCTTGCCAGGAACTCAATGAGC AGAGGAGAGGGGACAAGATCCTTCTGAATGCCTGCTGCCCTGGGTGGGTGAGAACCAGACATGGCAGGACC AAAAGCCACAAAAGCCAGAAGAAGGAGCAGAGACCCCTGTGTACTTGGCCCTTTTGCCTCCAGATGCA GAGGGGCTCATGGGCAGTTTGTCAAGATAAAAAAGTTGAACCATGGTGAACCAACTCTCACCTCCCA CCCCTTGTATCCAGACTTGCTGAAGGCCAAGGACATTTATAATGTAGTAACACTTCTGAAAAATAACA TAGAATTCTTTGAATGCACAGAGGTTTAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_007620
Insert Size:	834 bp


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<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">BC012714</a> , <a href="#">AAH12714</a>
<b>RefSeq Size:</b>	1024 bp
<b>RefSeq ORF:</b>	834 bp
<b>Locus ID:</b>	12408
<b>UniProt ID:</b>	<a href="#">P48758</a>
<b>Cytogenetics:</b>	16 54.53 cM
<b>Gene Summary:</b>	<p>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]</p>