

## Product datasheet for RC236276

### CBR1 (NM\_001286789) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CBR1 (NM\_001286789) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CBR1  
**Synonyms:** CBR; hCBR1; PG-9-KR; SDR21C1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236276 representing NM\_001286789  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGTCGGCATCCATGTAGCGCTGGTACTGGAGGCAACAAGGCATCGGCTTGGCCATCGTGCGCG  
 ACCTGTGCCGGCTGTTCTCGGGGACGTGGTGTCTCACGGCGGGACGTGACGCGGGCCAGCGGCCGT  
 ACAGCAGCTGCAGCGGAGGGCCTGAGCCCGCTTCCACCAGCTGGACATCGACGATCTGCAGAGCATC  
 CGCGCCCTGCGCGACTTCTGCGCAAGGAGTACGGGGCCTGGACGTGCTGGTCAACAACGCGGGCATCG  
 CCTTCAAGGTTGCTGATCCACACCCCTTTCATATTCAAGCTGAAGTGACGATGAAAAAAATTTCTTTGG  
 TACCCGAGATGTGTGCACAGAATTACTCCCTCTAATAAAACCCCAAGCATCCTGCGTACTGTCTGCATGG  
 TCATGCCTCTCCAAAATCCTTCAGGAGGAAAGTCCAAGCCCTTAGCATGGTTCACAGAGATGTCCATAA  
 TCTGCCGCTGCTTAAGTCTGGGCCATTT

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236276 representing NM\_001286789  
 Red=Cloning site Green=Tags(s)

MSSGIHVALVTGGNKGIGLAIVRDLRFLSGDVLVLTARDVTRGQAAVQQLQAEGLSRPFHQLDIDDLQSI  
 RALRDFLRKEYGGLDVLVNNAGIAFKVADPTPFHIIQAEVTMKTNFFGTRDVCTELLPLIKPQASCVLSAW  
 SCLSQNPSSGGKSKPLAWFTEMSIICRCLTLGPF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI





<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>RefSeq:</b>	<a href="#">NM_001286789.2</a>
<b>RefSeq Size:</b>	1952 bp
<b>RefSeq ORF:</b>	522 bp
<b>Locus ID:</b>	873
<b>UniProt ID:</b>	<a href="#">P16152</a>
<b>Cytogenetics:</b>	21q22.12
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Arachidonic acid metabolism, Metabolic pathways
<b>MW:</b>	19.2 kDa
<b>Gene Summary:</b>	The protein encoded by this gene belongs to the short-chain dehydrogenases/reductases (SDR) family, which function as NADPH-dependent oxidoreductases having wide specificity for carbonyl compounds, such as quinones, prostaglandins, and various xenobiotics. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2013]