

Product datasheet for SC119368

CBR3 (NM_001236) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CBR3 (NM_001236) Human Untagged Clone
Tag:	Tag Free
Symbol:	CBR3
Synonyms:	hCBR3; HEL-S-25; SDR21C2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119368 sequence for NM_001236 edited (data generated by NextGen Sequencing)

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ATGTCGTCCTGCAGCCGCGTGGCGCTGGTGACCGGGCCAACAGGGGCATCGGCTTGCC
ATCGCGCGCAACTGTGCCGACAGTTCTCTGGGGATGTGGTGCTACCGCGCGGGACGTG
GCGCGGGGCCAGGCGGCCGTGCAGCAGCTGCAGGCGGAGGGCCTGAGCCCGCGCTTCCAC
CAACTGGACATCGACGACTTGCAGAGCATCCGCGCCCTGCGGACTTCTGCGCAAGGAG
TACGGGGGGCTCAATGTACTGGTCAACAACGCGGCCGTGCGCTTCAAGAGTGATGATCCA
ATGCCCTTTGACATTAAGCTGAGATGACACTGAAGACAAATTTTTTGGCACTAGAAAC
ATGTGCAACGAGTTACTGCCGATAATGAAACCTCATGGGAGAGTGGTGAATATCAGTAGT
TTGCAGTGTTAAGGGCTTTTAAAACTGCAGTGAAGATCTGCAGGAAAGTTCCACAGT
GAGACACTCACAGAAGGAGACCTGGTGGATCTCATGAAAAAGTTTGTGGAGGACACAAAA
AATGAGGTGCATGAGAGGGAAGGCTGGCCAACTCACCTTATGGGGTGTCCAAGTTGGGG
GTCACAGTCTTATCGAGGATCCTGGCCAGGCGTCTGGATGAGAAGAGGAAAGCTGACAGG
ATTCTGGTGAATGCGTGCTGCCAGGACAGTGAAGACAGACATGGATGGGAAAGACAGC
ATCAGGACTGTGGAGGAGGGGCTGAGACCCCTGTCTACTTGGCCCTCTTGCCTCCAGAT
GCCACTGAGCCACAAGGCCAGTTGGTCCATGACAAAGTTGTGCAAAACTGGTAA

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Clone variation with respect to NM_001236.3
255 c=>t;606 g=>a



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001236 unedited CCGCAACTCGTTAATTGTAACGATTTACTATAGGCGGCCGCGNAATTCGCACGAGGACA CTAGCTGGGCTCCTCGGGGCGCGCCCCAGTGGTCCGAAGCCCGTCCGCCCTCCACGCAG GTGCCCCGCGCTCCCGCTCAGCCATGTCGTCTGCAGCCGCGTGGCGCTGGTGACCCGGG GCCAACAGGGGCATCGGCTTGGCCATCGCGCGCAACTGTGCCGACAGTTCTCTGGGGAT GTGGTGTCTACC CGCGGGACGTGGCGCGGGGCCAGGCGGCCGTGCAGCAGCTGCAGGCG GAGGGCCTGAGCCCGCGCTTCCACCAACTGGACATCGACGACTTGCAGAGCATCCGCGCC CTGCGCGACTTCTGCGCAAGGAGTACGGGGGGCTCAATGTAAGTCAACAACGCGGCC GTCGCCTTCAAGAGTGATGATCCAATGCCCTTTGACATTAAGCTGAGATGACACTGAAG ACAAATTTTTTGGCCACTAGAAACATGTGCAACGAGTTACTGCCGATAATGAAACCTCAT GGGAGAGTGGTGAATATCAGTAGTTTGCAGTGTTAAGGGCTTTTGAAAAGTGCAGTGAA GATCTGCAGGAAAGTTCCACAGTGAGACTCACAGAAGGAGACCTGGTGGATCTCATG AAAAAGTTTGGAGGACACAAAAATGAGGTGCATGAGAGGGAAGGCTGGCCCAACTCA CCTTATGGGGTGTCCAAGTTGGGGTACAGNTCTTATCGAGATCCTGGCCAGCGTCTG GATGAGAAGAGGAAAGCTGACAGGATTCTGGTGAATGCGTGCTGCCAGGACCAGTGAAG ACAGACATGGATGGGAAAGACTCGNGCCCTTGTGGAGGAAGGGGGCTGAA
Restriction Sites:	Please inquire
ACCN:	NM_001236
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	NM_001236.3 , NP_001227.1
RefSeq Size:	1128 bp
RefSeq ORF:	834 bp
Locus ID:	874
UniProt ID:	O75828
Cytogenetics:	21q22.12
Protein Families:	Druggable Genome
Protein Pathways:	Arachidonic acid metabolism, Metabolic pathways

Gene Summary:

Carbonyl reductase 3 catalyzes the reduction of a large number of biologically and pharmacologically active carbonyl compounds to their corresponding alcohols. The enzyme is classified as a monomeric NADPH-dependent oxidoreductase. CBR3 contains three exons spanning 11.2 kilobases and is closely linked to another carbonyl reductase gene - CBR1. [provided by RefSeq, Jul 2008]