

## Recombinant Human CBR1, MYC/DDK-tagged

Cat. No. CBR1-143H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CBR1, fused with C-terminal MYC/DDK, was expressed in HEK293 cells
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</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.
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	30.2 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

<b>Gene Name</b>	CBR1 carbonyl reductase 1 [ Homo sapiens ]
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<b>Official Symbol</b>	CBR1
<b>Synonyms</b>	CBR; hCBR1; SDR21C1; carbonyl reductase [NADPH] 1; carbonyl reductase (NADPH) 1; prostaglandin 9-ketoreductase; prostaglandin-E(2) 9-reductase; NADPH-dependent carbonyl reductase 1; 15-hydroxyprostaglandin dehydrogenase; short chain dehydrogenase/reductase family 21C, member 1
<b>Gene ID</b>	873
<b>mRNA Refseq</b>	NM_001757
<b>Protein Refseq</b>	NP_001748
<b>MIM</b>	114830
<b>UniProt ID</b>	P16152
<b>Chromosome Location</b>	21q22.13
<b>Pathway</b>	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Metabolism of xenobiotics by cytochrome P450, organism-specific biosystem
<b>Function</b>	15-hydroxyprostaglandin dehydrogenase (NADP+) activity; carbonyl reductase (NADPH) activity; oxidoreductase activity, acting on NAD(P)H, quinone or similar compound as acceptor

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