

Recombinant Human CBR4, His-tagged

Cat. No. CBR4-26329TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CBR4 with N terminal His tag; 257 amino acids with tag, Predicted MWt 27.5 kDa.
Species	Human
Source	E.coli
ProteinLength	237 amino acids
Description	CBR4 belongs to the short-chain dehydrogenase/reductase family. The formation of heterotetramer with HSD17B8 has NADH-dependent 3-ketoacyl-acyl carrier protein reductase activity for o- and p-quinones.
Conjugation	HIS
Molecular Weight	27.500kDa inclusive of tags
Tissue specificity	Detected in liver and kidney (at protein level).
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 5mM DTT, 200mM Sodium chloride, 20mM Tris HCl, pH 8.0

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMDKVCVFGGSRGIGRAVAQLMARKGYRLAVIARN LEGAKAAAGDLGGDHLAFSCDVAKEHDVQNTFEEMEKHLGRVNFLVNAAGINRDGL LVRTKTEDMVSQ LHTNLLGSMLTCKAAMRTMIQQQGSIVNVGSIVGLKGNSGQSV YSASKGGLVGF SRALAKEVARKKIRVNVVAPGFVHTDMTKDLKEEHLKKNIP LGRFG ETIEVAHAVVFLLESPYITGHVLVVDGGLQLIL
Sequence Similarities	Belongs to the short-chain dehydrogenases/reductases (SDR) family.
GENE INFORMATION	
Gene Name	CBR4 carbonyl reductase 4 [Homo sapiens]
Official Symbol	CBR4
Synonyms	CBR4; carbonyl reductase 4; carbonyl reductase family member 4; FLJ14431; SDR45C1; short chain dehydrogenase/reductase family 45C; member 1;
Gene ID	84869
mRNA Refseq	NM_032783
Protein Refseq	NP_116172
Uniprot ID	Q8N4T8
Chromosome Location	4q32.3

Function

NADPH binding; NADPH binding; NADPH dehydrogenase (quinone) activity; NADPH dehydrogenase (quinone) activity; nucleotide binding;

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