Recombinant Full Length Human CBR3 Protein, GST-tagged

Cat. No. CBR3-2774HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CBR3 full-length ORF (NP_001227.1, 1 a.a. - 277 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	277 amino acids
Description	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]
Molecular Mass	57.3 kDa
AA Sequence	MSSCSRVALVTGANRGIGLAIARELCRQFSGDVVLTARDVARGQAAVQQLQAEGLS PRFHQLDIDDLQSIRALRDFLRKEYGGLNVLVNNAAVAFKSDDPMPFDIKAEMTLKT NFFATRNMCNELLPIMKPHGRVVNISSLQCLRAFENCSEDLQERFHSETLTEGDLVD LMKKFVEDTKNEVHEREGWPNSPYGVSKLGVTVLSRILARRLDEKRKADRILVNACC PGPVKTDMDGKDSIRTVEEGAETPVYLALLPPDATEPQGQLVHDKVVQNW
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CBR3 carbonyl reductase 3 [Homo sapiens]
Official Symbol	CBR3
Synonyms	CBR3; carbonyl reductase 3; carbonyl reductase [NADPH] 3; SDR21C2; short chain dehydrogenase/reductase family 21C; member 2; carbonyl reductase (NADPH) 3; NADPH-dependent carbonyl reductase 3; short chain dehydrogenase/reductase family 21C, member 2; hCBR3;
Gene ID	874
mRNA Refseq	NM_001236
Protein Refseq	NP_001227
MIM	603608
UniProt ID	O75828

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