

Recombinant Human CBR3 293 Cell Lysate

Cat. No. CBR3-7810HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for carbonyl reductase 3 (CBR3) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

Chromosome Location

21q22.2

Pathway

Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of xenobiotics by cytochrome P450, organism-specific biosystem;

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Metabolism of xenobiotics by cytochrome P450, conserved biosystem;

Function

3-keto sterol reductase activity; NADPH binding; carbonyl reductase (NADPH) activity; nucleotide binding; oxidoreductase activity;

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