

Product datasheet for **TP304950M**

CBR1 (NM_001757) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human carbonyl reductase 1 (CBR1), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone
or AA Sequence: >RC204950 protein sequence
Red=Cloning site **Green**=Tags(s)

MSSGIHVALVTGGNKGIGLAIVRDLCLRFSGDVLTARDVTRGQAAVQQLQAEGLSPRFHQLDIDDLQSI
RALRDFLRKEYGGLDVLVNNAGIAFKVADPTPFHQAQVETMKTNFFGTRDVCTELLPLIKPQGRVNVSS
IMSVRALKSCSPELQQKFRSETITEEELVGLMKNKFVEDTKKGVHQKEGWSSAYGVTKIGVTVLSRIHAR
KLSEQRKGDKILLNACCPGWVRTDMAGPKATKSPEEGAETPVYLALLPPDAEGPHGQFVSEKRVEQW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 30.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001748](#)

Locus ID: 873

UniProt ID: [P16152](#), [A0A384NL53](#)



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RefSeq Size: 1321

Cytogenetics: 21q22.12

RefSeq ORF: 831

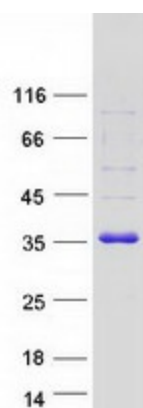
Synonyms: CBR; hCBR1; PG-9-KR; SDR21C1

Summary: 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. [provided by RefSeq, Nov 2013]

Protein Families: Druggable Genome

Protein Pathways: Arachidonic acid metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified CBR1 protein (Cat# [TP304950]). The protein was produced from HEK293T cells transfected with CBR1 cDNA clone (Cat# [RC204950]) using MegaTran 2.0 (Cat# [TT210002]).