

## Product datasheet for **TP304950L**

### CBR1 (NM\_001757) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human carbonyl reductase 1 (CBR1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204950 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSSGIHVALVTGGNKGIGLAIVRDLRDLFSGDVLTARDVTRGQAAVQQLQAEGLSPRFHQLDIDDLQSI  
RALRDFLRKEYGGLDVLVNNAGIAFKVADPTPFHIQAEVTMKTNFFGTRDVCTELLPLIKPQGRVNVSS  
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:	<a href="#">NP_001748</a>
Locus ID:	873
UniProt ID:	<a href="#">P16152</a> , <a href="#">A0A384NL53</a>



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RefSeq Size: 1321

Cytogenetics: 21q22.12

RefSeq ORF: 831

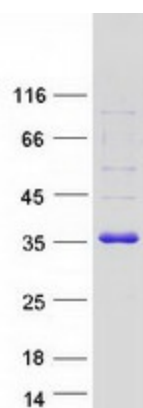
Synonyms: CBR; hCBR1; PG-9-KR; SDR21C1

**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]).