

**CBR1, 1-277 aa, Human, Recombinant, E.coli**

**Cat.NO.: TP01438**

3th Edition

**Synonyms:** CBR, hCBR1, SDR21C1

**Description:** CBR1 (Carbonyl reductase 1) is one of several monomeric NADPH-dependent oxidoreductases having wide specificity for carbonyl compounds. CBR1 is widely distributed in human tissues. CBR1 metabolizes many toxic environmental quinones and pharmacological relevant substrates such as the anticancer doxorubicin.

**Form:** Liquid. In 20 mM Tris-HCl buffer (pH 8.5) containing 10% glycerol

**Molecular Weight:** 30 kDa (277aa)

**Sequences:**

MSSGIHVALVTGGNKGIGLAIVRDLCLFSGDVVLTARDVTRGQAAVQQLQAEGLSPRFHQLDIDDLQSIRALRDFL  
RKEYGGLDVLVNNAGIAFKVADPTPFHIQAEVTMKTNFFGTRDVCTELLPLIKPQGRVVNVSSIMSVRALKSCSPEL  
QQKFRSETITEEELVGLMNKFVEDTKKGVHQKEGWSSAYGVTKIGVTVLSRIHARKLSEQRKGDKILLNACCPGW  
VRTDMAGPKATKSPEEGAETPVYLALLPPDAEGPHGQFVSEKRVEQW

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 µg of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.