

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:

MSSGIHVALVTGGNKGIGLAIVRDLCLRFSGDVVLTARDVTRGQAAVQQLQAEGLSPRFHQLDIDDLQSIRALRDFL
RKEYGGLDVLVNNAGIAFKVADPTPFHIQAEVTMKTNFFGTRDVCTELLPLIKPQGRVVNVSSIMSVRALKSCSPEL
QQKFRSETITEEELVGLMNKFVEDTKKGVHQKEGWSSAYGVTKIGVTVLSRIHARKLSEQRKGDKILLNACCPGW
VRTDMAGPKATKSPEEGAETPVYLALLPPDAEGPHGQFVSEKRVEQW

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug 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.