

**CBR4, 1-237aa, Human, His tag, E.coli**

**Cat.NO.: TP01439**

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3th Edition

**Synonyms:**Carbonyl reductase family member 4

**Description:**CBR4 belongs to the short-chain dehydrogenase/reductase family. The formation of heterotetramer with HSD17B8 has NADH-dependent 3-ketoacyl-acyl carrier protein reductase activity for o- and p-quinones. It plays a role in biosynthesis of fatty acids in mitochondria and has broad substrate specificity and reduces 9,10-phenanthrenequinone, 1,4-benzoquinone and various other o-quinones and p-quinones (in vitro).

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 5mM DTT, 200mM NaCl

**Molecular Weight:**27.5kDa (257aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMDKVCVAVFGGSRGIGRAVAQLMARKGYRLAVIARNLEGAKAAAGDLGGDHLAFS  
CDVAKEHDVQNTFEEMEKHLGRVNFLVNAAGINRDGLLVRTKTEDMVSQ LHTNLLGSM L TCKAAMRTMIQQGGGS  
IVNVGSIVGLKGN SGQSVYSASKGGLVGF SRALAKEVARKKIRVNVVAPGFVHTDMTKDLKEEHLKKNIP LGRFGET  
IEVAHAVVFLLESPYITGHVLLVVDGGLQLIL

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/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.