

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

Cat.NO.: TP01439

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:

MGSSHHHHHSSGLVPRGSHMDKVCVFGGSRGIGRAVAQLMARKGYRLAVIARNLEGAKAAAGDLGGDHLAFS
CDVAKEHDVQNTFEEMEKHLGRVNFVNAAAGINRDGLLVRTKTEDMVSQLHTNLLGSMLTCKAAMRTMIQQQGGG
IVNVGSIVGLKGNSGQSVYSASKGGLVGFSRALAKEVARKKIRVNVVAPGFVHTDMTKDLKEEHLKKNIPGRFGET
IEVAHAVVFLLESPYITGHVLVVDGGLQLIL

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.