

## 32-2212: CBR4 Recombinant Protein

**Alternative Name :** Carbonyl reductase family member 4,3-oxoacyl-[acyl-carrier-protein] reductase, Quinone reductase CBR4, CBR4, SDR45C1, FLJ14431.

### Description

Source : Escherichia Coli. CBR4 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 257 amino acids (1-237 a.a.) and having a molecular mass of 27.5kDa. The CBR4 is purified by proprietary chromatographic techniques. CBR4 is a member of the short-chain dehydrogenase/reductase family. CBR4 has a role in biosynthesis of fatty acids in the mitochondria and a broad substrate specificity and reduces 9,10-phenanthrenequinone, 1,4-benzoquinone and a range of other o-quinones and p-quinones (in vitro). CBR4 formation of a heterotetramer with HSD17B8 has NADH-dependent 3-ketoacyl-acyl carrier protein reductase activity for o- and p-quinones.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** The CBR4 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 5mM DTT and 200mM NaCl.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MDKVCVFGG SRGIGRAVAQ LMARKGYRLA VIARNLEGAK  
 AAAGDLGGDH LAFSCDVAKE HDVQNTFEEM EKHLGRVNFL VNAAGINRDG LLVRTKTEDM  
 VSQHTNLLG SMLTCKAAMR TMIQQGGSI VNVGSIVGLK GNSGQSVYSA SKGGLVGFSR ALAKEVARKK  
 IRVNVVAPGF VHTDMTKDLK EEHLKKNIP LGRFGETIEVA HAVVFLLESP YITGHVLVVD GGLQLIL.

