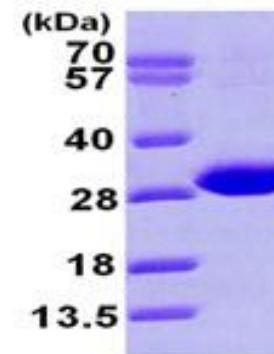


CBR4, human recombinant

| | | |
|----------------------------|---|-------|
| CATALOG NO: | P1156-10 | 10 µg |
| ALTERNATE NAMES: | Carbonyl reductase family member 4, Quinone reductase CBR4, 3-oxoacyl-[acyl-carrier-protein] reductase | |
| CONCENTRATION: | 0.5 mg/ml (determined by Bradford assay) | |
| SOURCE: | <i>E.coli</i> (1-237aa) | |
| PURITY: | > 95% by SDS-PAGE | |
| MOL. WEIGHT: | This protein is fused with 6x His tag at N terminus and the protein has a calculated MW of 27.5 kDa (257aa) | |
| FORM: | Liquid | |
| FORMULATION: | In 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 5mM DTT, 200 mM NaCl | |
| STORAGE CONDITIONS: | Store at +4°C for short term (1-2 weeks). For long term storage, aliquot and store at -70°C. Avoid repeated freeze/thaw cycles. | |
| SEQUENCE: | <p>MGSSHHHHHH SGLVPRGSH MDKCAVFGG SRGIGRAVAQ LMARKGYRLA VIARNLEGAK AAAGDLGGDH LAFSCDVAKE HDVQNTFEEM EKHLGRVNFL VNAAGINRDG LLVRTKTEDM VSQLHTNLLG SMLTCKAAMR TMIQQQGGSI VNVGSIVGLK GNSGQSVYSA SKGGLVGF SR ALAKEVARKK IRVNVVAPGF VHTDMTKDLK EEHLKKNIP L GRFGETIEVA HAVVFLLESP YITGHVLVVD GGLQLIL</p> | |
| DESCRIPTION: | <p>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). Recombinant human CBR4 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques.</p> | |



15% SDS-PAGE (3µg)

Human recombinant CBR4

RELATED PRODUCT:

- GAPDH, Active, human recombinant (Cat. No. P1100-10, -50)
- PKD2, Active (Cat. No. 7711-5)
- PAK4, Active (Cat. No. 7707-5)
- Human Recombinant ALDH2 (Cat. No. 6332-100)
- Human Recombinant PKM2 (Cat. No. 6372-100)
- Cathepsin L, human recombinant (Cat. No. 1135-100)
- Cathepsin S, Active, human recombinant (Cat. No. 7526-50)

FOR RESEARCH USE ONLY! Not to be used on humans.