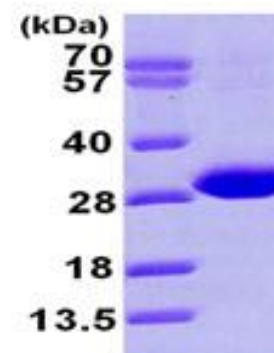


CBR4, human recombinant

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:	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	
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). 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.	



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.