

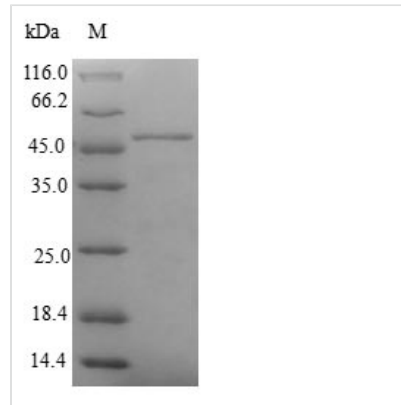


# Recombinant Human Carbonyl reductase family member 4 (CBR4)

<b>Product Code</b>	CSB-EP850803HU
<b>Relevance</b>	The heterotetramer with HSD17B8 has NADH-dependent 3-ketoacyl-acyl carrier protein reductase activity, and thereby plays a role in mitochondrial fatty acid biosynthesis. Within the heterotetramer, HSD17B8 binds NADH; CBR4 binds NADPD. The homotetramer has NADPH-dependent quinone reductase activity. Both homotetramer and the heterotetramer have broad substrate specificity and can reduce 9,10-phenanthrenequinone, 1,4-benzoquinone and various other o-quinones and p-quinones
<b>Abbreviation</b>	Recombinant Human CBR4 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q8N4T8
<b>Alias</b>	3-ketoacyl-[acyl-carrier-protein] reductase beta subunit
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MDKVCVAVFGGSRGIGRAVAQLMARKGYRLAVIARNLEGAKAAAGDLGGDHLA FSCDVAKEHDVQNTFEELEKHLGRVNFLVNAAGINRDGLLVRTKTEDMVSQHL TNLLGSMLTCKAAMRTMIQQQGSIVNVGSIVGLKGNSSQSVYSASKGGLVG FSRALAKEVARKKIRVNVVAPGFVHTDMTKDLKEEHLKKNIPLGRFGETIEVAH AVVFLLESPYITGHVLVVDGGLQLIL
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.coli
<b>Target Names</b>	CBR4
<b>Protein Names</b>	Recommended name: Carbonyl reductase family member 4 EC= 1.-.-.- Alternative name(s): 3-oxoacyl-[acyl-carrier-protein] reductase EC= 1.1.1.- Quinone reductase CBR4
<b>Expression Region</b>	1-237aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal GST-tagged
<b>Mol. Weight</b>	52.3kDa
<b>Protein Length</b>	Full Length



## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.