

CBR4 recombinant protein

CBR4, 1-237aa, Human, His tag, E Coli

CATALOG # AAA48678	HOST E Coli	APPLICATIONS SDS-Page
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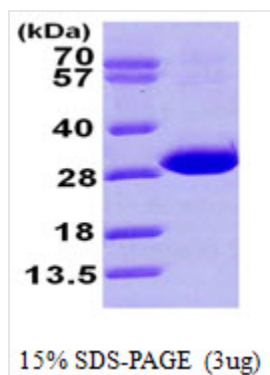
PRODUCT SYNONYMS

CBR4; 1-237aa; Human; His tag; E Coli; Carbonyl reductase family member 4; Quinone reductase CBR4; 3-oxoacyl-[acyl-carrier-protein] reductase; CBR4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 5mM DTT, 200mM NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MDKCAVFGG SRGIGRAVAQ LMARKGYRLA VIARNLEGAK AAAGDLGGDH LAFSCDVAKE HDVQNTFEEM EKHLGRVNFL VNAAGINRDG LLVRTKTEDM VSQHTNLLG SMLTCKAAMR TMIQQGGGSI VNVGSIVGLK GNSGQSVYSA SKGGLVGFSR ALAKEVARKK IRVNVVAPGF VHTDMTKDLK EEHLKKNIPL GRFGETIEVA HAVVFLLESP YITGHVLVVD GGLQLIL
Sequence Length	237
Applicable Applications for CBR4 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CBR4 recombinant protein	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 E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for CBR4 recombinant protein	Redox Proteins
References	Endo S., et al. (2008) Biochem Biophys Res Commun. 26;377 (4):1326-30; Chen Z., et al. (2009) FASEB J. 23:3682-3691;

NCBI AND UNIPROT INFORMATION

NCBI GI #	18314621
NCBI GeneID	84869
Molecular Weight	27.5kDa (257aa) confirmed by MALDI-TOF
NCBI Official Full Name	Carbonyl reductase 4
NCBI Official Synonym Full Names	carbonyl reductase 4
NCBI Official Symbol	CBR4
NCBI Official Synonym Symbols	SDR45C1
NCBI Protein Information	carbonyl reductase family member 4
UniProt Protein Name	Carbonyl reductase family member 4
UniProt Gene Name	CBR4
UniProt Synonym Gene Names	SDR45C1; KAR beta subunit

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cbr4-recombinant-protein-e-coli-sds-page/48678>