

CBR1 recombinant protein

CBR1, 1-277aa, Human, E Coli

CATALOG # AAA48529	HOST E Coli	APPLICATIONS SDS-Page
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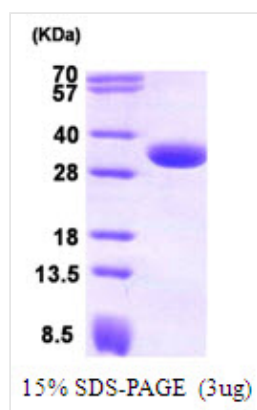
PRODUCT SYNONYMS

CBR1; 1-277aa; Human; E Coli; Carbonyl reductase 1; CBR; hCBR1; SDR21C1; Carbonyl reductase 1 15 hydroxyprostaglandin dehydrogenase [NADP+]; Carbonyl reductase [NADPH] 1.CBR 1; CRN; NADPH dependent carbonyl reductase 1; Prostaglandin 9 ketoreductase; Prostaglandin E (2) 9 reductase.; CBR1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.5) containing 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MSSGIHVALV TGGNKGIGLA IVRDLCRLFS GDVLTARDV TRGQAAVQQL QAEGLSPRFH QLDIDDLQSI RALRDFLRKE YGGLDVLVNN AGIAFKVADP TPFHIQAEVT MKTNFFGTRD VCTELLPLIK PQGRVNVVSS IMSVRALKSC SPELQQKFRS ETITEEELVG LMNKFVEDTK KGVHQKEGWP SSAYGVTKIG VTVLSRIHAR KLSEQRKGDK ILLNACCPGW VRTDMAGPKA TKSPEEGAET PVYLALLPPD AEGPHGQFVS EKRVEQW
Sequence Length	277
Applicable Applications for CBR1 recombinant protein	SDS-PAGE
Antigen Species	Human
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 CBR1 recombinant protein	CBR1 (Carbonyl reductase 1) is one of several monomeric NADPH-dependent oxidoreductases having wide specificity for carbonyl compounds. CBR1 is widely distributed in human tissues. CBR1 metabolizes many toxic environmental quinones and pharmacological relevant substrates such as the anticancer doxorubicin. CBR1 can also convert prostaglandin E2 to prostaglandin F2-alpha. Recombinant human CBR1 protein was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for CBR1 recombinant protein	Redox Proteins
References	Bateman RL., et al. (2008), J Biol Chem. 283 (51):35756-62.; Plebuch M., et al. (2007). Cancer Lett. 255 (1):49-56.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502599
NCBI GeneID	873
NCBI Accession #	NP_001748
NCBI GenBank Nucleotide #	NM_001757.3
UniProt Accession #	P16152; Q3LHW8; B2RBZ7; B4DFK7
Molecular Weight	30 kDa (277aa), confirmed by MALDI-TOF.
NCBI Official Full Name	carbonyl reductase
NCBI Official Synonym Full Names	carbonyl reductase 1
NCBI Official Symbol	CBR1
NCBI Official Synonym Symbols	CBR; hCBR1; SDR21C1
NCBI Protein Information	carbonyl reductase [NADPH] 1
UniProt Protein Name	Carbonyl reductase [NADPH] 1
UniProt Gene Name	CBR1
UniProt Synonym Gene Names	CBR; CRN; SDR21C1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cbr1-recombinant-protein-e-coli-sds-page/48529>