

Carbonyl reductase 3 Recombinant Protein | CBR3 recombinant protein

Carbonyl reductase 3, 1-277aa, Human, His tag, E Coli

CATALOG # AAA48545	HOST E Coli	APPLICATIONS SDS-Page
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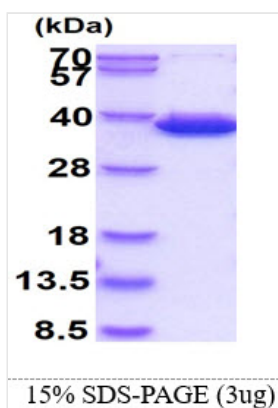
PRODUCT SYNONYMS

Carbonyl reductase 3; 1-277aa; Human; His tag; E Coli; CBR3; NADPH-dependent carbonyl reductase; Carbonyl reductase (NADPH) 3; EC 1.1.1.184; hCBR3; Carbonyl reductase (NADPH) 3 EC 1.1.1.184; NADPH dependent carbonyl reductase 3; SDR21C2; Short chain dehydrogenase/reductase family 21C member 2.; CBR3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSSLVPRGSH MSSCSRVALV TGANRGIGLA IARELCRQFS GDVVLTDADV ARGQAAVQQL QAEGLSPRFH QLDIDDLQSI RALRDFLRKE YGGLNVLVNN AAVAFKSDDP MPFDIKAEMT LKTNFFATR MCNELLPIMK PHGRVVNISS LQCLRAFENC SEDLQERFHS ETLTEGDLVD LMKKFVEDTK NEVHEREGWP NSPYGVSKLG VTVLSRILAR RLDEKRRADR ILVNACCPGP VKTDMDGKDS IRTVEEGAET PVYLALLPPD ATEPQGQLVH DKVVQNW
Sequence Length	277
Applicable Applications for CBR3 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 CBR3 recombinant protein	Carbonyl reductase 3 (CBR3) is one of several monomeric NADPH-dependent oxidoreductases. This protein catalyzes the reduction of a large number of biologically and pharmacologically active carbonyl compounds to their corresponding alcohols. It also contains three exons spanning 11.2 kilobases and is closely linked to another carbonyl reductase gene - CBR1. Some studies suggest that it mediates 9-cis-retinoic acid-induced cytostasis and is a potential prognostic marker for oral malignancy. Recombinant human CBR3, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for CBR3 recombinant protein	Redox Proteins
References	Ohkura-Hada S., et al. (2008). Open Dent J. 2:78-88.; Miura T., et al. (2009). Life Sci. 85 (7-8):303-8.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502601
NCBI GeneID	874
NCBI Accession #	NP_001227
NCBI GenBank Nucleotide #	NM_001236.3
UniProt Accession #	O75828; Q6FHP2
Molecular Weight	33 kDa (297aa), confirmed by MALDI-TOF.
NCBI Official Full Name	carbonyl reductase
NCBI Official Synonym Full Names	carbonyl reductase 3
NCBI Official Symbol	CBR3
NCBI Official Synonym Symbols	hCBR3; SDR21C2; HEL-S-25
NCBI Protein Information	carbonyl reductase [NADPH] 3
UniProt Protein Name	Carbonyl reductase [NADPH] 3
UniProt Gene Name	CBR3

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/cbr3-recombinant-protein-e-coli-sds-page/48545>