9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-2210: CBR1 Recombinant Protein

Alternative Name :	CBR,hCBR1,SDR21C1,CBR1,Carbonyl reductase [NADPH] 1,NADPH-dependent carbonyl reductase 1,Prostaglandin-E(2) 9-reductase,Prostaglandin 9-ketoreductase,15-hydroxyprostaglandin dehydrogenase [NADP+],CRN.

Description

Source : Escherichia Coli. Recombinant Human CBR1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 277 amino acids (1-277 a.a) and having a molecular mass of 30 kDa. CBR1 is purified by proprietary chromatographic techniques. CBR1 is one of numerous monomeric, NADPH-dependent oxidoreductases having ubiquistly specificity for carbonyl compounds. CBR1 is broadly distributed in human tissues. CBR1 metabolizes toxic environmental quinones and pharmacological relevant substrates such as the anticancer doxorubicin. CBR1 converts prostaglandin E2 to prostaglandin F2-alpha.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by analysis by SDS-PAGE.
Content :	The CBR1 protein contains 20mM Tris-HCl buffer pH-8.5, and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MSSGIHVALV TGGNKGIGLA IVRDLCRLFS GDVVLTARDV TRGQAAVQQL QAEGLSPRFH QLDIDDLQSI RALRDFLRKE YGGLDVLVNN AGIAFKVADP TPFHIQAEVT MKTNFFGTRD VCTELLPLIK PQGRVVNVSS IMSVRALKSC SPELQQKFRS ETITEEELVG LMNKFVEDTK KGVHQKEGWP SSAYGVTKIG VTVLSRIHAR KLSEQRKGDK ILLNACCPGW VRTDMAGPKA TKSPEEGAET PVYLALLPPD AEGPHGQFVS EKRVEQW.

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