
Product Data Sheet

Product Name: CBR1 Human
 Cat. No.: GP21467
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Amino Acid Sequence	MSSGIHVALV TGGNKGIGLA IVRDLCLRFS GDVVLTRDV TRGQAAVQQL QAEGLSPRFH QLDIDDLQSI RALRDFLRKE YGGLDVLVNN AGIAFKVADP TPFHIQAEVT MKTNFFGTRD VCTELLPLIK PQGRVVNVSS IMSVRALKSC SPELQQKFRS ETITEEELVG LMNKFVEDTK KGVHQKEGWP SSAYGVTKIG VTVLSRIHAR KLSEQRKGDK ILLNACCPGW VRTDMAGPKA TKSPEEGAET PVYLALLPPD AEGPHGQFVS EKRVEQW.		
Formulation	The CBR1 protein contains 20mM Tris-HCl buffer pH-8.5, and 10% glycerol.		

Introduction

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. CBR1 converts prostaglandin E2 to prostaglandin F2-alpha.

Stability

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.

Background

Recombinant Human CBR1 produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

chain containing 277 amino acids (1-277 a.a) and having a molecular mass of 30 kDa. CBR1 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA