

Carbonyl Reductase-4 Human Recombinant

Item Number	rAP-1752
Synonyms	Carbonyl reductase family member 4, 3-oxoacyl-[acyl-carrier-protein] reductase, Quinone reductase CBR4, CBR4, SDR45C1, FLJ14431.
Description	CBR4 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 257 amino acids (1-237 a.a.) and having a molecular mass of 27.5kDa. The CBR4 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q8N4T8
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MDKVCVAVFGG SRGIGRAVAQ LMARKGYRLA VIARNLEGAK AAAGDLGGDH LAFSCDVAKE HDVQNTFEEM EKHLGRVNFL VNAAGINRDG LLVRTKTEDM VSQLHTNLLG SMLTCKAAMR TMIQQGGSI VNVGSIVGLK GNSGQSVYSA SKGGLVGFSSR ALAKE- VARKK IRVNVVAPGF VHTDMTKDLK EEHLKKNIP L GRFGETIEVA HAVVFLLESP YITGHVLLVD GGLQLIL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The CBR4 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 5mM DTT and 200mM NaCl. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**