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Product datasheet for PH301073

CBR3 (NM_001236) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CBR3 MS Standard C13 and N15-labeled recombinant protein (NP_001227)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201073
Predicted MW:	30.9 kDa
Protein Sequence:	>RC201073 protein sequence Red=Cloning site Green=Tags(s) MSSCSRVALVTGANRGIGLAIARELCRQFSGDVVLTARDVARGQAAVQQLQAEGLSPRFHQLDIDDLQSI RALRDFLRKEYGGLNVLVNNAAVAFKSDDPMPFDIKAEMTLKTNFFATRNMCNELLPIMKPHGRVVNISS LQCLRAFENCSEDLQERFHSETLTEGDLVDLMKKFVEDTKNEVHEREGWPNSPYGVSKLGVTVLSRILAR RLDEKRKADRILVNACCPGPVKTDMDGKDSIRTVEEGAETPVYLALLPPDATEPQGQLVHDKVVQNW TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001227
RefSeq Size:	1128
RefSeq ORF:	831
Synonyms:	hCBR3; HEL-S-25; SDR21C2
Locus ID:	874
UniProt ID:	O75828, V9HW40

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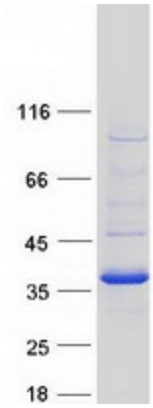
Cytogenetics: 21q22.12

Summary: Carbonyl reductase 3 catalyzes the reduction of a large number of biologically and pharmacologically active carbonyl compounds to their corresponding alcohols. The enzyme is classified as a monomeric NADPH-dependent oxidoreductase. CBR3 contains three exons spanning 11.2 kilobases and is closely linked to another carbonyl reductase gene - CBR1. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Arachidonic acid metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified CBR3 protein (Cat# [TP301073]). The protein was produced from HEK293T cells transfected with CBR3 cDNA clone (Cat# [RC201073]) using MegaTran 2.0 (Cat# [TT210002]).