

DECR2 抗原（重组蛋白）

中文名称： DECR2 抗原（重组蛋白）

英文名称： DECR2 Antigen (Recombinant Protein)

别名： 2,4-dienoyl CoA reductase 2, peroxisomal; PDCR; SDR17C1

相关类别： 抗原

储存： 冷冻（-20℃）

概述

Fusion protein corresponding to a region derived from 49-292 amino acids of human DECR2

技术规格

Full name:	2,4-dienoyl CoA reductase 2, peroxisomal
Synonyms:	PDCR; SDR17C1
Swissprot:	Q9NUI1
Gene Accession:	BC011968
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	DECR2 (2,4-dienoyl-CoA reductase 2), also known as PDCR (peroxisomal 2,4-dienoyl-CoA reductase) or SDR17C1, is a 292 amino acid member of the short-chain dehydrogenases/reductases (SDR) protein family and the 2,4-dienoyl-CoA reductase protein subfamily. Localized to the peroxisome, DECR2 is an auxiliary enzyme of beta-oxidation that catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA. DECR2 has also been shown to have catalytic activity towards 2,4,7,10,13,16,19-docosaheptaenoyl-CoA and short and medium chain 2,4-dienoyl-CoAs, suggesting that DECR2 is not a rate limitin

g step in the degradation of docosahexaenoic acid in the peroxisome
. DECR2 is expressed as three isoforms produced by alternative splicing events.