

## DEC2 抗原（重组蛋白）

中文名称： DEC2 抗原（重组蛋白）

英文名称： DEC2 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 DEC2

### 技术规格

<b>Full name:</b>	2,4-dienoyl CoA reductase 2, peroxisomal
<b>Synonyms:</b>	PDCR; SDR17C1
<b>Swissprot:</b>	Q9NUI1
<b>Gene Accession:</b>	BC011968
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	DEC2 (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, DEC2 is an auxiliary enzyme of beta-oxidation that catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA. DEC2 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 DEC2 is not a rate limiting

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