

Recombinant Human DECR1, GST-tagged

Cat. No. DECR1-973H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DECR1 with gst tag atN-terminal was produced in wheat germ expressionsystem in vitro and purified by Glutathione Sepharose 4 Fast Flow, 36.74 kDa(236 a.a. - 335 a.a.).
Species	Human
Source	Wheat Germ
ProteinLength	236-335 a.a.
Description	This geneencodes an accessory enzyme which participates in the beta-oxidation andmetabolism of unsaturated fatty enoyl-CoA esters.
Amino Acid Sequence	NVIQPGPIKTKGAFSRLDPTGTFEKEMIGRIPCGRLGTVEELANLAAFLCSDYASWIN GAVIKFDGGEEVLISGEFNDLRKVTKEQWDTIEELIRKTKGS
Note	Best use within three months from the date ofreceipt of this protein.
Applications	ELISA;WB; Antibody Production; Protein Array
StorageBuffer	50 mMTris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Storage	Store at-80°C. Aliquot to avoid repeated freezing and thawing.
OfficialSymbol	DECR1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	DECR1 2,4-dienoyl CoA reductase1, mitochondrial [Homo sapiens]
Synonyms	DECR1; DECR; NADPH;SDR18C1; 2,4-dienoyl CoA reductase 1, mitochondrial; 2,4-dienoyl-CoA reductase, mitochondrial;4-enoyl-CoA reductase;short chain dehydrogenase/reductase family 18C, member 1; 4-enoyl-CoA reductase [NADPH];EC1.3.1.34; 2,4-dienoyl-CoA reductase [NADPH]
Gene ID	1666
mRNA Refseq	NM_001359
Protein Refseq	NP_001350
MIM	222745
UniProt ID	Q16698
Chromosome Location	8q21.3
Pathway	Fatty Acid BetaOxidation; Fatty Acid Biosynthesis; Fatty acid
Function	2,4-dienoyl-CoA reductase (NADPH) activity; NADPH binding; nucleotide binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Crystallographic
structure of a
tetramer of the
ternary complex of
DECOR1, hexanoyl-
coenzyme A, and
NADP.**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA