

Recombinant human DECR2 protein

Catalog Number: ATGP1330

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-292aa

UniProt No.

Q9NUI1

NCBI Accession No.

NP_065715

Alternative Names

Peroxisomal 24-dienoyl-CoA reductase, Peroxisomal 2,4-dienoyl-CoA reductase, PDCR, SDR17C1

PRODUCT SPECIFICATION

Molecular Weight

33.2 kDa (315aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

DECR2, also known as peroxisomal 2, 4-dienoyl-CoA reductase, is an auxiliary enzyme of beta-oxidation. DECR2 participates in the degradation of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in peroxisome. This protein catalyzes the NADP-dependent reduction of 2, 4-dienoyl-CoA to yield trans-3-enoyl-CoA. Recombinant human DECR2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMAQPPPD VEGDDCLPAY RHLFCPDLLR DKVAFITGGG SGIGFRIAEI FMRHGCHTVI
ASRSLPRVLT AARKLAGATG RRCLPLSMDV RAPPVMAAV DQALKEFGRI DILINCAAGN FLCPAGALSF NAFKTVMDID
TSGTFNVSRV LYEKFFRDHG GVIVNITATL GNRGQALQVH AGSAKAAVDA MTRHLAVEWG PQNIRVNSLA PGPISGTEGL
RRLGGPQASL STKVTASPLQ RLGNKTEIAH SVLYLASPLA SYVTGAVLVA DGGAWLTFPN GVKGLPDFAS FSAKL

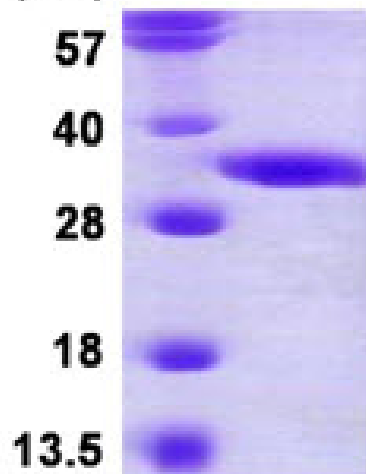
General References

De Nys K., et al. (2001) *Biochim. Biophys. Acta.* 1533:66-72
Daniels R.J., et al. (2001) *Hum. Mol. Genet.* 10:339-352

DATA

SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)