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# Recombinant human DECR2 protein

Catalog Number: ATGP1330

#### PRODUCT INFORMATION

# **Expression system**

E.coli

#### **Domain**

1-292aa

#### **UniProt No.**

O9NUI1

#### **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**

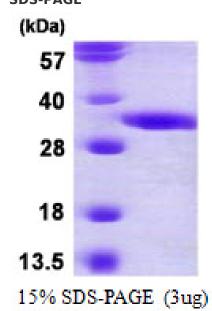
MGSSHHHHHH SSGLVPRGSH MGSMAQPPPD VEGDDCLPAY RHLFCPDLLR DKVAFITGGG SGIGFRIAEI FMRHGCHTVI ASRSLPRVLT AARKLAGATG RRCLPLSMDV RAPPAVMAAV DQALKEFGRI DILINCAAGN FLCPAGALSF NAFKTVMDID TSGTFNVSRV LYEKFFRDHG GVIVNITATL GNRGQALQVH AGSAKAAVDA MTRHLAVEWG PQNIRVNSLA PGPISGTEGL RRLGGPQASL STKVTASPLQ RLGNKTEIAH SVLYLASPLA 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**





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

