NKMAXBio We support you, we believe in your research

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.

Recombinant human DECR2 protein

Catalog Number: ATGP1330

Amino acid Sequence

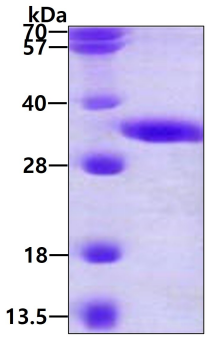
<MGSSHHHHHH SSGLVPRGSH MGS>MAQPPPD VEGDDCLPAY RHLFCPDLLR DKVAFITGGG SGIGFRIAEI FMRHGCHTVI ASRSLPRVLT AARKLAGATG RRCLPLSMDV RAPPAVMAAV DQALKEFGRI DILINCAAGN FLCPAGALSF NAFKTVMDID TSGTFNVSRV LYEKFFRDHG GVIVNITATL GNRGQALQVH AGSAKAAVDA MTRHLAVEWG PQNIRVNSLA PGPISGTEGL RRLGGPQASL STKVTASPLQ RLGNKTEIAH SVLYLASPLA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

SDS-PAGE



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