

AR50155PU-N

Human DECR2 (1-292, His-tag) - Purified

Alternate names:	2, 4-dienoyl-CoA reductase, 4-dienoyl-CoA reductase 2, PDCR, Peroxisomal 2, SDR17C1
Quantity:	0.25 mg
Concentration:	0.25 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	Q9NU11
NCBI:	NP_065715
GeneID:	26063
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT
Description:	Recombinant human DECR2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHH SGLVPRGSH MGSMAQPPPD VEGDDCLPAY RHLFCPDLLR DKVAFITGGG SGIGFRIAIEI FMRHGCHTVI ASRSLPRVLT AARKLAGATG RRCLPLSMDV RAPPVMAAV DQALKEFGRI DILINCAAGN FLCPAGALSF NAFKTVMDID TSGTFNVSRV LYEKFFRDHG GVIVNITATL GNRGQALQVH AGSAKAAVDA MTRHLAVEWG PQNIRVNSLA GPGISGTEGL RRLGGPQASL STKVTASPLQ RLGKTEIAH SVLYLASPLA SYVTGAVLVA DGGAWLTFPN GVKGLPDFAS FSAKL Molecular weight: 33.2 kDa (315aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	De Nys K., et al. (2001) Biochim. Biophys. Acta. 1533:66-72 Daniels R.J., et al. (2001) Hum. Mol. Genet. 10:339-352

Pictures:

