

Product datasheet for **AR50155PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	DECR2 (1-292, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAQPPPD VEGDDCLPAY RHLFCPDLR DKVAFITGGG SGIGFRIAEI FMRHGCHTVI ASRSLPRVLT AARKLAGATG RRCLPLSMDV RAPPVMAAV DQALKEFGRI DILINCAAGN FLCPAGALSF NAFKTVMDID TSGTFNVS RV LYEKFFRDHG GVI V NITATL GNRGQALQVH AGSAKAAVDA MTRHLAVEWG PQNIRVNSLA PGPISGTEGL RRLGGPQASL STKVTASPLQ RLG NKTEIAH SVLYLASPLA SYVTGAVLVA DGGAWLTFPN GVKGLPDFAS FSAKL
Tag:	His-tag
Predicted MW:	33.2 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.15M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human DECR2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_065715
Locus ID:	26063
UniProt ID:	Q9NUI1
Cytogenetics:	16p13.3
Synonyms:	PDCR; SDR17C1



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Summary:

Auxiliary enzyme of beta-oxidation. Participates in the degradation of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in peroxisome. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA. Has activity towards short and medium chain 2,4-dienoyl-CoAs, but also towards 2,4,7,10,13,16,19-docosaheptaenoyl-CoA, suggesting that it does not constitute a rate limiting step in the peroxisomal degradation of docosahexaenoic acid.[UniProtKB/Swiss-Prot Function]

Protein Families:

Druggable Genome

Product images: