abcam

Product datasheet

Recombinant Human DECR2/PDCR protein ab116178

1 Image

Description

Product name	Recombinant Human DECR2/PDCR protein
Purity	> 95 % SDS-PAGE. ab116178 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	Q9NUI1
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMAQPPPDVEGDDCL PAYRHLFCPDLLR DKVAFITGGGSGIGFRIAEIFMRHGCHTVIASRSLPRVLTAA RKLAGATG RRCLPLSMDVRAPPAVMAAVDQALKEFGRIDILINCAAGN FLCPAGALSF NAFKTVMDIDTSGTFNVSRVLYEKFFRDHGGVIVNITATLG NRGQALQVH AGSAKAAVDAMTRHLAVEWGPQNIRVNSLAPGPISGTEG LRRLGGPQASL STKVTASPLQRLGNKTEIAHSVLYLASPLASYVTGAVLVAD GGAWLTFPN GVKGLPDFASFSAKL
Predicted molecular weight	33 kDa including tags
Amino acids	1 to 292
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab116178** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF

Form	Liquid
Additional notes	This product was previously labelled as DECR2

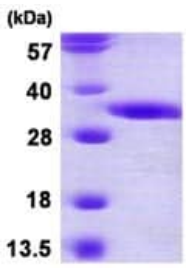
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 40% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

General Info

Function	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.
Sequence similarities	Belongs to the short-chain dehydrogenases/reductases (SDR) family. 2,4-dienoyl-CoA reductase subfamily.
Cellular localization	Peroxisome.

Images



SDS-PAGE - Recombinant Human DECR2/PDCR protein (ab116178)

15% SDS-PAGE gel analysis of 3 µg ab116178.

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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