

Datasheet for ABIN7561745
HACL1 Protein (AA 1-581) (His tag)



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Overview

Quantity:	1 mg
Target:	HACL1
Protein Characteristics:	AA 1-581
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HACL1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Hacl1 Protein expressed in mammalian cells.
Sequence:	MPESNSAEGS DRSEEQVSGA KVIAQALKTQ DVEYMFGVVG IPVTEIALAA QELGIKYIGM RNEQAACYAA SAVGYLTGRP GVCLVVS GPG LIHALGGMAN ANMNCWPLIV IGGSSERNQE AMGAFQEFPQ VEACRLYTKF SARPSTIELI PFIEKAVRS SIYGRPGACY IDIPADFVTL QANVTSIKYK ECCMPPPVSM AETSAVCAAA SVLRDAKQPL LIIGKGAAYS HAEDSIRKLV EQCSLPFLPT PMGKGVPDPN HPNCVGAARS RALQSADVIV LFGARLNWIL HFGLPPRYQA DVKFIQIDIC AEELGNNVRP SVILLGDIDA VSKQLLEQFD KTPWQCPPDS QWWKTLREKM KSNEAISKEL ASQKSLPMNY YTVFYHVQEQ LPRDSFIVSE GANTMDIGRT MLQNCLPRHR LDAGSFGTMG VGLGFAIAAA LVAKDRSPGQ RVICVEGDSA FGFSGMEVET ICRYNLPIL LVVNNNGIYQ GFDADTWEKM LHFQEAATTV PPMCLLPNSH YEQVMTAFGG KGYFVRTPEE LQHSLRQALQ DTSKPCLLNI MIEPQSTRKA QDFHWLTRSN M Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different

complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	HACL1
Alternative Name:	HACL1 (HACL1 Products)
Background:	2-hydroxyacyl-CoA lyase 1 (EC 4.1.2.63) (2-hydroxyphytanoyl-CoA lyase) (2-HPCL) (Phytanoyl-CoA 2-hydroxylase 2),FUNCTION: Peroxisomal 2-OH acyl-CoA lyase involved in the cleavage (C1 removal) reaction in the fatty acid alpha-oxidation in a thiamine pyrophosphate (TPP)-dependent manner (By similarity). Involved in the degradation of 3-methyl-branched fatty acids like phytanic acid and the shortening of 2-hydroxy long-chain fatty acids (By similarity). Plays a significant role in the biosynthesis of heptadecanal in the liver (PubMed:29027957). {ECO:0000250 UniProtKB:Q9UJ83, ECO:0000269 PubMed:29027957}.
Molecular Weight:	63.7 kDa
UniProt:	Q9QXE0
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months