

Product Information

MemDX™ Membrane Protein Human HACD1 (3-hydroxyacyl-CoA dehydratase 1) Full Length

Cat. No.: **MPC4554K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human HACD1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

HACD1

Protein Length

Full length

Protein Class

Receptor

TMD

6

Sequence

MGRLTEAAAAGSGSRAAGWAGSPPTLLPLSPTSPRCAATMASSDEDGTNG
GASEAGEDREAPGERRLGVLATAWLTFYDIAMTAGWLVLAIAMVRFYME
KGTHRGLYKSIQKTLKFFQTFALLEIVHCLIGIVPTSVIVTGVQVSSRIF
MWWLITHSIKPIQNEESVVLFLVAWTVTEITRYSFYTFSLLDHLPYFIKW
ARYNFFIILYPVGVAGELLTIYAALPHVKKTGMFSIRLPNKYNVSFDYYY
FLLITMASYIPLFPQLYFHMLRQRRKVLHGVEVIVEKDD

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

HACD1

Full Name

3-hydroxyacyl-CoA dehydratase 1

Introduction

The protein encoded by this gene contains a characteristic catalytic motif of the protein tyrosine phosphatases (PTPs) family. The PTP motif of this protein has the highly conserved arginine residue replaced by a proline residue; thus it may represent a distinct class of PTPs. Members of the PTP family are known to be signaling molecules that regulate a variety of cellular processes. This gene was preferentially expressed in both adult and fetal heart. A much lower expression level was detected in skeletal and smooth muscle tissues, and no expression was observed in other tissues. The tissue specific expression in the developing and adult heart suggests a role in regulating cardiac development and differentiation.

Alternative Names

HACD1; CAP; PTPLA; very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 1; cementum attachment protein; protein tyrosine phosphatase-like (proline instead of catalytic arginine), member A; very-long-chain (3R)-3-hydroxyacyl-[acyl-carrier protein] dehydratase 1; 3-hydroxyacyl-CoA dehydratase 1

Gene ID

[9200](#)

UniProt ID

[B0YJ81](#)