abcam

Product datasheet

Recombinant Human ALDH9A1 protein ab157875

1 Image

Description

Product name Recombinant Human ALDH9A1 protein

Expression system Wheat germ

Protein length Full length protein

Animal free No

Nature Recombinant

Species Human

Sequence MSTGTFVVSQPLNYRGGARVEPADASGTEKAFEPATGRV

IATFTCSGEKE

VNLAVQNAKAAFKIWSQKSGMERCRILLEAARIIREREDEI

ATMECINNG

KSIFEARLDIDISWQCLEYYAGLAASMAGEHIQLPGGSFGY

TRREPLGVC

VGIGAWNYPFQIASWKSAPALACGNAMVFKPSPFTPVSA

LLLAEIYSEAG

VPPGLFNVVQGGAATGQFLCQHPDVAKVSFTGSVPTGM

KIMEMSAKGIKP

VTLELGGKSPLIIFSDCDMNNAVKGALMANFLTQGQVCCN

GTRVFVQKEI

LDKFTEEVVKQTQRIKIGDPLLEDTRMGPLINRPHLERVLG

FVKVAKEQG

AKVLCGGDIYVPEDPKLKDGYYMRPCVLTNCRDDMTCVK

EEIFGPVMSIL

SFDTEAEVLERANDTTFGLAAGVFTRDIQRAHRVVAELQA

GTCFINNYNV

SPVELPFGGYKKSGFGRENGRVTIEYYSQLKTVCVEMGD

VESAF

Amino acids 1 to 494

Tags GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab157875** in the following tested applications.

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

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Applications ELISA

Western blot

Form Liquid

Additional notes

Preparation and Storage

Stability and Storage Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCI

General Info

Function Converts gamma-trimethylaminobutyraldehyde into gamma-butyrobetaine. Catalyzes the

irreversible oxidation of a broad range of aldehydes to the corresponding acids in an NAD-

dependent reaction.

Tissue specificity High expression in adult liver, skeletal muscle, and kidney. Low levels in heart, pancreas, lung and

brain. Expressed in all regions of the brain. Expression levels are variable in the different brain

areas, with the highest levels in the spinal cord and the lowest in the occipital pole.

Pathway Amine and polyamine biosynthesis; carnitine biosynthesis.

Sequence similaritiesBelongs to the aldehyde dehydrogenase family.

Developmental stage Strongly expressed in human embryonic brain (gestational age 12 weeks).

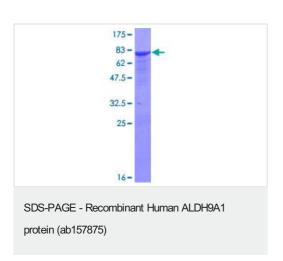
Post-translational

modifications

The N-terminus is blocked.

Cellular localization Cytoplasm.

Images



ab157875 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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