

## Product datasheet

# Recombinant Human ALDH9A1 protein ab157875

1 Image

### Description

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<b>Product name</b>	Recombinant Human ALDH9A1 protein
<b>Expression system</b>	Wheat germ
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	MSTGTFVVSQPLNYRGGARVEPADASGTEKAFEPATGRV IATFTCSGEKE VNLAVQNAKAAFKIWSQKSGMERCILLEAARIIREREDEI ATMECINNG KSIFEARLDIDISWQCLEYAGLAASMAGEHIQLPGGSFGY TRREPLGVC VGIGAWNYPFQIASWKSAPALACGNAMVFKPSPFTPVSA LLLAEIYSEAG VPPGLFNVVQGAATGQFLCQHPDVAKVSFTGSVPTGM KIMEMSAKGKIP VTLELGGKSPLIIFSDCDMNNAVKGALMANFLTQGGVCCN GTRV FVQKEI LDKFTEEVVKQTQRIKIGDPLLEDTRMGPLINRPHLERVLG FVKVAKEQG AKVLCGGDIYVPEDPKLKDGYMPCVLTNCRDDMTCVK EEIFGPVMSIL SFDTEAEVLERANDTTFGLAAGVFTRDIQRAHRVVAELQA GTCFINNYNV SPVELPFGGYKKSFGRENGRV TIEYSQLKTVCVEMGD VESAF
<b>Amino acids</b>	1 to 494
<b>Tags</b>	GST tag N-Terminus

### Specifications

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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.

<b>Applications</b>	ELISA Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	

## Preparation and Storage

<b>Stability and Storage</b>	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 HCl
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## General Info

<b>Function</b>	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.
<b>Tissue specificity</b>	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.
<b>Pathway</b>	Amine and polyamine biosynthesis; carnitine biosynthesis.
<b>Sequence similarities</b>	Belongs to the aldehyde dehydrogenase family.
<b>Developmental stage</b>	Strongly expressed in human embryonic brain (gestational age 12 weeks).
<b>Post-translational modifications</b>	The N-terminus is blocked.
<b>Cellular localization</b>	Cytoplasm.

## Images



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

SDS-PAGE - Recombinant Human ALDH9A1 protein (ab157875)

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

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

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