

Product datasheet

Recombinant Human ASAH1 protein ab114948

1 Image

Description

Product name	Recombinant Human ASAH1 protein
Expression system	Wheat germ
Accession	<u>Q13510</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	PPWTEDCRKSTYPPSGPTYRGAVPWYTINLDLPPYKRWH ELMLDKAPMLK VVNSLKNMINTFVPSGKVMQVVDEKLPGLLGNFPGPFEE EMKGIAAVTD
Predicted molecular weight	37 kDa including tags
Amino acids	25 to 124

Specifications

Our **Abpromise guarantee** covers the use of **ab114948** in the following tested applications.

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

Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml. Best used within three months from the date of receipt.

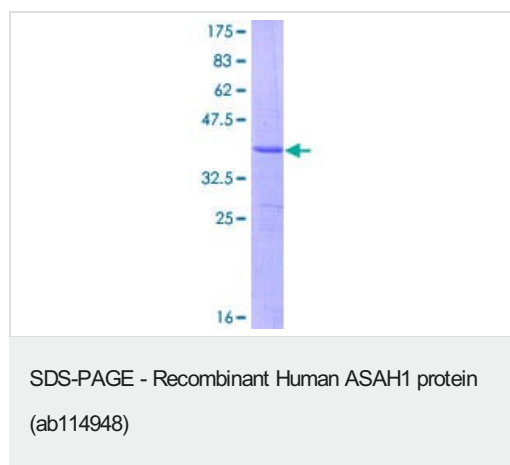
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
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General Info

Function	Hydrolyzes the sphingolipid ceramide into sphingosine and free fatty acid.
Tissue specificity	Broadly expressed with highest expression in heart.
Involvement in disease	Defects in <i>ASAH1</i> are the cause of Farber lipogranulomatosis (FL) [MIM:228000]; also known as Farber disease (FD). This sphingolipid disease is characterized by subcutaneous lipid-loaded nodules, excruciating pain in the joints and extremities, marked accumulation of ceramide in lysosomes, and death by three years of age.
Sequence similarities	Belongs to the acid ceramidase family.
Cellular localization	Lysosome.

Images



12.5% SDS-PAGE showing ab114948 at approximately 36.63kDa. Stained with Coomassie Blue.

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

- 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.

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