

Product datasheet

Recombinant human AHA1 protein ab80352

3 Images

Overview

<b>Product name</b>	Recombinant human AHA1 protein
<b>Protein length</b>	Full length protein

Description

<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli
<b>Amino Acid Sequence</b>	
<b>Species</b>	Human

Specifications

Our [Abpromise guarantee](#) covers the use of **ab80352** in the following tested applications.

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

<b>Biological activity</b>	Specific Activity: The addition of AHA1 increased ATPase activity of hsp90 alpha from 0.18 to 0.94 pmol/min/ug. Assay conditions: 50 µl reaction mix (100 mM Tris-HCl pH7.4, 20 mM KCl, 6 mM MgCl <sub>2</sub> , 200 µM ATP, and 5 µg Hsp90alpha) was incubated with Aha1 (0-10 µg) for 3 hrs at 37°C. To stop the reaction, 100 µl of the malachite green reagent was added to each well. Absorbance at 620 nm was measured.
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<b>Applications</b>	Western blot Functional Studies SDS-PAGE
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<b>Purity</b>	> 90 % SDS-PAGE.
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<b>Form</b>	Liquid
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Preparation and Storage

<b>Stability and Storage</b>	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.0462% DTT, 0.395% Tris HCl, 0.05% Tween, 30% Glycerol, 0.58% Sodium chloride
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

## General Info

<b>Function</b>	Cochaperone that stimulates HSP90 ATPase activity (By similarity). May affect a step in the endoplasmic reticulum to Golgi trafficking.
<b>Tissue specificity</b>	Expressed in numerous tissues, including brain, heart, skeletal muscle and kidney and, at lower levels, liver and placenta.
<b>Sequence similarities</b>	Belongs to the AHA1 family.
<b>Cellular localization</b>	Cytoplasm > cytosol. Endoplasmic reticulum. May transiently interact with the endoplasmic reticulum.

## Images

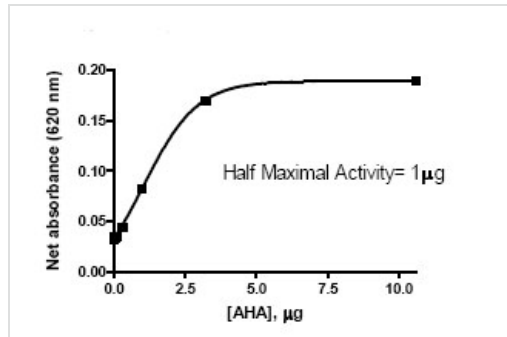
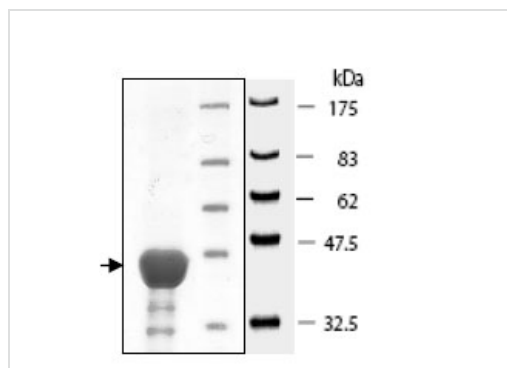


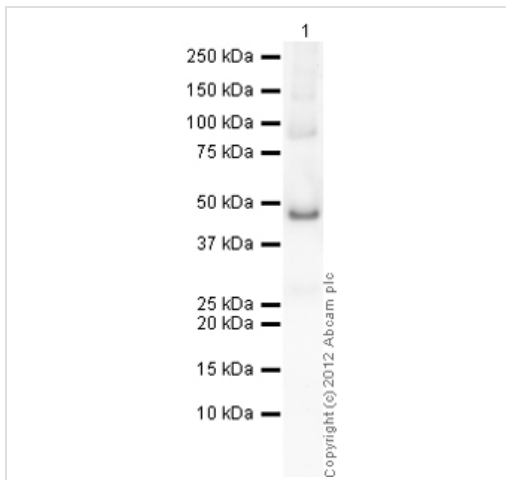
Image showing the effect of ab80352 on ATPase activity of HSP90 $\alpha$ .

Functional Studies - Recombinant human AHA1 protein (ab80352)



10%SDS-PAGE showing ab80352 at approximately 38kDa (7 $\mu\text{g}$ ).

SDS-PAGE - Recombinant human AHA1 protein (ab80352)



Western blot - Recombinant human AHA1 protein  
(ab80352)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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