

Datasheet for ABIN7273847

**Annexin a1 Protein (AA 1-346) (His tag)**[Go to Product page](#)**2** Images

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 100 µg  |
| Target:                       | Annexin a1 (ANXA1)                                |
| Protein Characteristics:      | AA 1-346  |
| Origin:                       | Mouse   |
| Source:                       | Escherichia coli (E. coli)                        |
| Protein Type:                 | Recombinant                                       |
| Purification tag / Conjugate: | This Annexin a1 protein is labelled with His tag. |

## Product Details

|                  |  |
|------------------|--|
| Purpose:         | Mouse ANXA1 Protein  |
| Sequence:        | Met1-Asn346  |
| Characteristics: | Recombinant Mouse ANXA1 Protein is expressed from E.coli with His tag at the C-Terminus.It contains Met1-Asn346. |
| Purity:          | > 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC   |
| Sterility:       | 0.22 µm filtered   |
| Endotoxin Level: | Less than 1EU per µg by the LAL method.  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | Annexin a1 (ANXA1)                       |
| Alternative Name: | ANXA1 ( <a href="#">ANXA1 Products</a> ) |

## Target Details

|                   |   |
|-------------------|---|
| Background:       | Atherosclerosis, characterized by the formation of fat-laden plaques, is a chronic inflammatory disease. ABCA1 promotes cholesterol efflux, reduces cellular cholesterol accumulation, and regulates anti-inflammatory activities in an apoA-I- or ANXA1-dependent manner. The latter activity occurs by mediating the efflux of ANXA1, which plays a critical role in anti-inflammatory effects, cholesterol transport, exosome and microparticle secretion, and apoptotic cell clearance. |
| Molecular Weight: | 39.6 kDa same as Tris-Bis PAGE result.  |
| UniProt:          | <a href="#">P10107</a>  |
| Pathways:         | <a href="#">Hormone Transport</a>   |

## Application Details

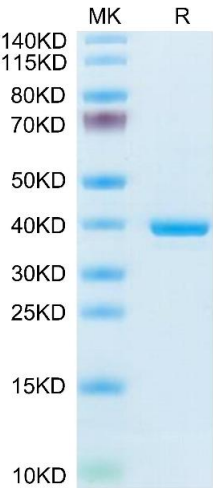
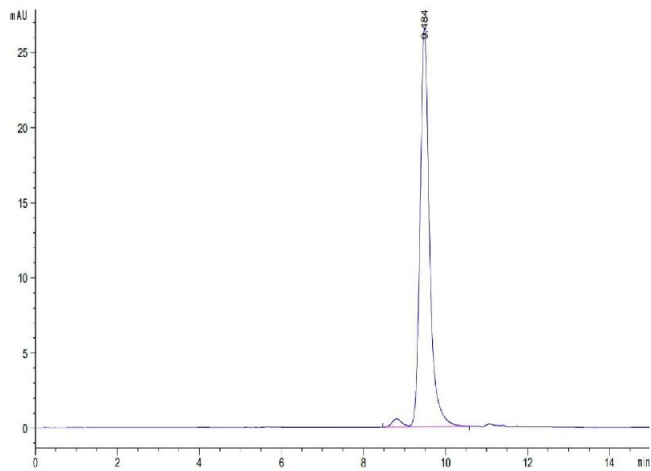
|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |  |
|------------------|--|
| Format:          | Lyophilized  |
| Reconstitution:  | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.   |
| Buffer:          | Lyophilized from 0.22µm filtered solution in 20 mM Tris, 150 mM NaCl ( pH 8.2). Normally 8 % trehalose is added as protectant before lyophilization.   |
| Storage:         | -20 °C,-80 °C  |
| Storage Comment: | -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date:     | 12 months  |

Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Mouse ANXA1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

**Image 2.** Mouse ANXA1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .