

Product datasheet

Recombinant Mouse Annexin A1/ANXA1 protein  
ab202184

1 Image

Description

|  |   |  |
|--|---|--|
| <b>Product name</b>                    | Recombinant Mouse Annexin A1/ANXA1 protein  |  |
| <b>Purity</b>                          | > 95 % SDS-PAGE.<br>ab202184 was purified using conventional chromatography techniques.   |  |
| <b>Expression system</b>               | Escherichia coli  |  |
| <b>Accession</b>                       | <a href="#">P10107</a>  |  |
| <b>Protein length</b>                  | Full length protein   |  |
| <b>Animal free</b>                     | No  |  |
| <b>Nature</b>                          | Recombinant   |  |
| <b>Species</b>                         | Mouse   |  |
| <b>Sequence</b>                        | MGSSHHHHHHSSGLVPRGSHMGSMAMVSEFLKQARFLE<br>NQEQEYVQAVKS<br>YKGGPGSAVSPYPSFNVSSDVAALHKAIMVKGVDEATIIDI<br>LTKRTNAQR<br>QQIKAAYLQENGKPLDEVLRKALTGHLEEVVLAMLKTPAQ<br>FDADELRGAM<br>KGLGTDEDTLIEILTTRSNEQIREINRVYREELKRDLAKDITS<br>DTSGDFR<br>KALLALAKGDRCQDLSVNQDLADTDARALYEAGERRKGT<br>DVNVFTTILTS<br>RSFPHLRRVFQNYGKYSQHDMNKALDLELKGDIKCLTTIV<br>KCATSTPAF<br>FAEKLYEAMKGAGTRHKALIRIMVSRSEIDMNEIKVFYQKK<br>YGISLCQAILDETKGDYKILVALCGGN |  |
| <b>Predicted molecular weight</b>      | 41 kDa including tags   |  |
| <b>Amino acids</b>                     | 1 to 346  |  |
| <b>Tags</b>                            | His tag N-Terminus  |  |
| <b>Additional sequence information</b> | NP_034860.  |  |

Specifications

Our [Abpromise guarantee](#) covers the use of **ab202184** 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>      | Mass Spectrometry<br>SDS-PAGE |
| <b>Mass spectrometry</b> | MALDI-TOF                     |
| <b>Form</b>              | Liquid                        |

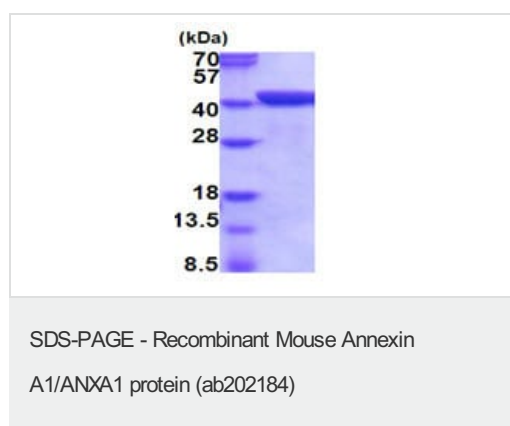
## Preparation and Storage

|                              |  |
|------------------------------|--|
| <b>Stability and Storage</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.<br>pH: 7.40<br>Constituents: 20% Glycerol (glycerin, glycerine), 0.02% DTT, 79% PBS |
|------------------------------|--|

## General Info

|   |  |
|---|--|
| <b>Function</b>                         | Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis. This protein regulates phospholipase A2 activity. It seems to bind from two to four calcium ions with high affinity.  |
| <b>Sequence similarities</b>            | Belongs to the annexin family.<br>Contains 4 annexin repeats.  |
| <b>Domain</b>                           | A pair of annexin repeats may form one binding site for calcium and phospholipid.  |
| <b>Post-translational modifications</b> | Phosphorylated by protein kinase C, epidermal growth factor receptor/kinase and TRPM7. Phosphorylation results in loss of the inhibitory activity.   |
| <b>Cellular localization</b>            | Nucleus. Cytoplasm. Cell projection > cilium. Basolateral cell membrane. Found in the cilium, nucleus and basolateral cell membrane of ciliated cells in the tracheal endothelium (By similarity). Found in the cytoplasm of type II pneumocytes and alveolar macrophages. |

## Images



15% SDS-PAGE analysis of ab202184 (3 µg).

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

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