

Product datasheet

Recombinant Human Annexin A1/ANXA1 protein
ab86446

1 References 1 Image

Description

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|-----------------------------------|--|--|
| Product name | Recombinant Human Annexin A1/ANXA1 protein | |
| Purity | > 90 % SDS-PAGE. ab86446 is purified using conventional chromatography techniques. | |
| Expression system | Escherichia coli | |
| Accession | P04083 | |
| Protein length | Full length protein | |
| Animal free | No | |
| Nature | Recombinant | |
| Species | Human | |
| Sequence | <p>MAMVSEFLKQ AWFIEENEEQE YVQTVKSSKG GPGSAVSPYP TFPSSDVAA LHKAIMVKGV DEATIIDILT KRNNAGRQQI KAAYLQETGK PLDETLKKAL TGHLEEVVLA LLKTPAQFDA DELRAAMKGL GTDEDTLIEI LASRTNKEIR DINRVYREEL KRDLAKDITS DTSGDFRNAL LSLAKGDRSE DFGVNEDLAD SDARALYEAG ERRKGTDVNV FNTILTTRSY PQLRRVFQKY TKYSKHDMNK VLDLELKGDI EKCLTAMKC ATSKPAFFAE KLHQAMKGVG TRHKALIRIM VSRSEIDMND IKAFYQKMYG ISLCQAILDE TKGDYEKILV ALCGGN</p> | |
| Predicted molecular weight | 39 kDa | |
| Amino acids | 1 to 346 | |

Specifications

Our [Abpromise guarantee](#) covers the use of **ab86446** in the following tested applications.

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

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage

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.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function

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.

Sequence similarities

Belongs to the annexin family.
Contains 4 annexin repeats.

Domain

A pair of annexin repeats may form one binding site for calcium and phospholipid.

Post-translational modifications

Phosphorylated by protein kinase C, epidermal growth factor receptor/kinase and TRPM7. Phosphorylation results in loss of the inhibitory activity.

Cellular localization

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 showing ab86446 at approximately 38.7kDa (3µg).

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