

Recombinant Human ANXA1 Protein, His\Avi-tagged

Cat. No. ANXA1-213H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human Annexin A1 is produced by E.coli. The target gene encoding A2- N346 is expressed with an Avi and 6His tag at the C terminus.
Species	Human
Source	E.coli
Description	<p>Annexin A1 is a member of the annexin family that can bind to cellular membranes in a calcium-dependent manner, promoting membrane fusion and endocytosis. Annexin A1 is found in the cytoplasm, on the cell surface, and in the extracellular fluid.</p> <p>Annexin A1 has anti-inflammatory activities and inhibits phospholipase A2 function. Annexin A1 is also involved in membrane aggregation, inflammation, phagocytosis, proliferation, apoptosis, and tumorigenesis and cancer development. It can exert both positive and negative effects on epithelial?mesenchymal transition and tumor metastasis.</p>
Form	Lyophilized from a 0.2 um filtered solution of 2umM Na2HPO4, 2umM NaH2PO4, pH7.4.
Molecular Mass	<p>Predicted Molecular Weight: 39.3kDa</p> <p>Apparent Molecular Weight: Biotinylated ANXA1 protein appeared at 38kDa in a reducing SDS-PAGE gel.</p>
AA Sequence	A2-N346

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Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
Purity	>95%
Storage	<p>Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.</p> <p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p>
Reconstitution	<p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Statement	Purity: greater than 95% as determined by reducing SDS-PAGE.
Shipping	<p>The product is shipped on dry ice pack.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>

GENE INFORMATION

Gene Name	ANXA1 annexin A1 [Homo sapiens (human)]
Official Symbol	ANXA1
Synonyms	Annexin A1; Annexin I; Annexin-1; Calpactin II; Calpactin-2; Chromobindin-9; Lipocortin I; Phospholipase A2 Inhibitory Protein; p35; ANX1; LPC1
Gene ID	301
mRNA Refseq	NM_000700.3

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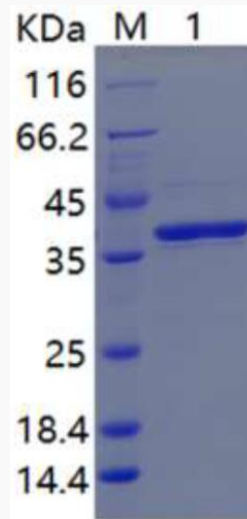
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Protein Refseq NP_000691.1

MIM 151690

UniProt ID P04083

SDS-PAGE



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