



Recombinant Human ANXA1

Catalog #	EPT043
Expression Host	E.coli
DESCRIPTION	Recombinant Human Annexin A1 is produced by our E.coli expression system and the target gene encoding Ala2-Asn346 is expressed.
Accession	P04083
Synonyms	Annexin A1; Annexin I; Annexin-1; Calpactin II; Calpactin-2; Chromobindin-9; Lipocortin I; Phospholipase A2 Inhibitory Protein; p35
Mol Mass	38.58 KDa
AP Mol Mass	34 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
FORMULATION	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
RECONSTITUTION	Always centrifuge tubes before opening. Do not mix by





vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at $< -20^{\circ}\text{C}$, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at $4-7^{\circ}\text{C}$ for 2-7 days.

Aliquots of reconstituted samples are stable at $< -20^{\circ}\text{C}$ for 3 months.

BACKGROUND

Annexin A1 is the first characterized member of the annexin family of proteins and is able to bind to cellular membranes in a calcium-dependent manner, promoting membrane fusion and endocytosis. Annexin A1 has anti-inflammatory properties and inhibits phospholipase A2 activity. Annexin A1 also has roles in many diverse cellular functions, such as

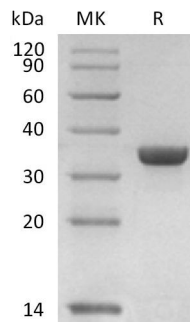




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membrane aggregation, inflammation, phagocytosis, proliferation, apoptosis, and tumorigenesis and cancer development. ANXA1 is strongly expressed on the cell membrane and occasionally in the cytoplasm of tumor cells in 97% of samples from patients with hairy cell leukemia.

SDS-PAGE



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