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Recombinant Human ANXA1

Catalog#:P02281 Derived from *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 **Known as**: Annexin A1; Annexin I; Annexin- 1; Calpactin II; Calpactin-2; Chromobindin-9; Lipocortin I; Phospholipase A2 Inhibitory Protein; p35
FORMULATION	Lyophilized from a 0.2μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
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°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
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.
QUALITY CONTROL	**Mol Mass**:38.58kDa **AP Mol Mass**:34kDa, reducing conditions. **Purity**: Greater than 95% as determined by reducing SDS-PAGE. **Endotoxin**: Less than 0.1ng/μg (1 EU/μg) as determined by LAL test.
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 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