Recombinant Human Annexin A1/ANXA1 Protein (GST,His Tag)

Catalog Number: PDEH101076

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

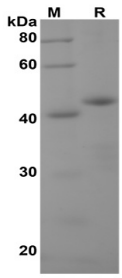
Description

Species	Human
Source	E.coli-derived Human Annexin A1 protein Lys161-Asn346, with an N-terminal GST & C-terminal His
Calculated MW	45.4 kDa
Observed MW	45 kDa
Accession	P04083
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human Annexin A1/ANXA1 proteins, 2 μg/lane of Recombinant Human Annexin A1/ANXA1 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 45 kDa.

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.

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