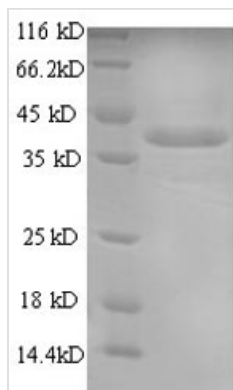




Recombinant Mouse Annexin A1 (Anxa1)

Product Code	CSB-EP001836MO
Relevance	Calcium/phospholipid-binding protein which promotes mbrane fusion and is involved in exocytosis. This protein regulates phospholipase A2 activity. It ses to bind from two to four calcium ions with high affinity.
Abbreviation	Recombinant Mouse Anxa1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P10107
Alias	Annexin I;Annexin-1;Calpactin II;Calpactin-2;Chromobindin-9;Lipocortin I;Phospholipase A2 inhibitory protein;p35
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AMVSEFLKQARFLENQEYVQAVKSYKGGPGSAVSPYPSFNVSSDVAALHK AIMVKGVDIATIIDILTKRTNAQRQQIKAAYLQENGKPLDEVLRKALTGHLEEVV LAMLKTPAQFDADLRGAMKGLGTDEDTLIEILTTRSNEQIREINRVYREELKR DLAKDITSDTSGDFRKALLALAKGDRCQDLNVNQLADTDARALYEAGERRKG TDVNVFTTILTSRSPHLRRVFQNYGKYSQHDMNKALDLELKGDIKCLTTIVK CATSTPAFFAEKLYEAMKGAGTRHKALIRIMVSRSEIDMNEIKVFYQKKYGISLC QAILDETKGDYEKILVALCGGN
Research Area	Others
Source	E.coli
Target Names	Anxa1
Expression Region	2-346aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	42.6kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Amino acids 2-346 constitute the expression domain of recombinant Mouse Anxa1. This Anxa1 protein is theoretically predicted to have a molecular weight of 42.6 kDa. Expression of this Anxa1 protein is conducted in e.coli. The N-terminal 6xHis tag was fused into the coding gene segment of Anxa1, making it easier to detect and purify the Anxa1 recombinant protein in the later stages of expression and purification.

Annexin A1 (AnxA1) is a multifunctional protein that plays a crucial role in the immune system and inflammation regulation. One of the most notable research areas is the regulatory mechanism of AnxA1 in the inflammation process. Researchers delve into understanding how AnxA1 mediates inflammatory responses, aiming to discover new approaches for treating inflammatory diseases such as rheumatoid arthritis and inflammatory bowel disease. Additionally, AnxA1 is associated with tumor occurrence and development. Scientists strive to comprehend the expression of AnxA1 in tumors and its impact on the proliferation and migration of tumor cells, with the goal of developing more effective anti-tumor treatment strategies.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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