

Recombinant Mouse Anxa1 Protein, His-tagged

Cat. No. Anxa1-7269M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Anxa1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
ProteinLength	1-346
Description	Plays important roles in the innate immune response as effector of glucocorticoid-mediated responses and regulator of the inflammatory process. Has anti-inflammatory activity. Plays a role in glucocorticoid-mediated down-regulation of the early phase of the inflammatory response. Promotes resolution of inflammation and wound healing. Functions at least in part by activating the formyl peptide receptors and downstream signaling cascades. Promotes chemotaxis of granulocytes and monocytes via activation of the formyl peptide receptors. Contributes to the adaptive immune response by enhancing signaling cascades that are triggered by T-cell activation, regulates differentiation and proliferation of activated T-cells. Promotes the differentiation of T-cells into Th1 cells and negatively regulates differentiation into Th2 cells. Has no effect on unstimulated T-cells. Promotes rearrangement of the actin cytoskeleton, cell polarization and cell migration. Negatively regulates hormone exocytosis via activation of the formyl peptide receptors and reorganization of the actin cytoskeleton. Has high affinity for Ca ²⁺ and can bind up to eight Ca ²⁺ ions. Displays Ca ²⁺ -dependent binding to phospholipid membranes. Plays a role in the

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formation of phagocytic cups and phagosomes. Plays a role in phagocytosis by mediating the Ca²⁺-dependent interaction between phagosomes and the actin cytoskeleton.

Form	Liquid
Molecular Mass	41.1 kDa
AA Sequence	MGSSHHHHHSSGLVPRGSHMGSMAMVSEFLKQARFLENQEQEYVQAVKSYKGG PGSVSPYPSFNVSSDVAALHKAIMVKGVDIATIDILTKRTNAQRQQIKAAYLQENG KPLDEVLRKALTGHLEEVVLAMLKTPAQFDADELRGAMKGLGTDEDTLIEILTTRSNE QIREINRVYREELKRDIAKDITSSTSGDFRKALLALAKGDRCDLSVNQDLADTDAR ALYEAGERRRKGTDVNVFTILTSSRSPHLRRVFQNYGKYSQHDMNKALDLELKGDI KCLTTIVKCATSTPAFFAEKLYEAMKGAGTRHKALIRIMVSRSEIDMNEIKVFYQKKYG ISLCQAILDETKGDYEKILVALCGGN
Purity	> 95 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	1.0 mg/mL (determined by Bradford assay)
Storage Buffer	In Phosphate buffered saline (pH7.4) containing 20 % glycerol, 1 mM DTT.

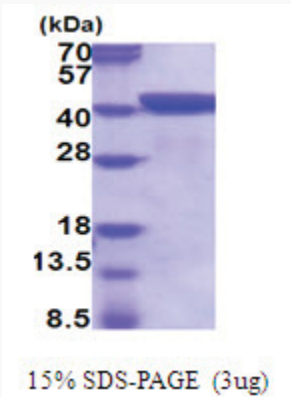
GENE INFORMATION

Gene Name [Anxa1 annexin A1 \[Mus musculus \(house mouse\) \]](#)

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Official Symbol	Anxa1
Synonyms	Anxa1; annexin A1; Lp; Anx; Lpc; Lpc1; Anx-1; Lpc-1; Anx-A1; C430014K04Rik; annexin A1; annexin I; annexin-1; calpactin II; calpactin-2; chromobindin-9; lipocortin 1; lipocortin I; p35; phospholipase A2 inhibitory protein
Gene ID	16952
mRNA Refseq	NM_010730
Protein Refseq	NP_034860
UniProt ID	P10107
SDS-PAGE	 15% SDS-PAGE (3ug)