

Recombinant Mouse Anxa1 protein, His/S-tagged

Cat. No. Anxa1-1712M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Anxa1(Glu6~Asn346) fused with two N-terminal Tags, His-tag and S-tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu6~Asn346
Form	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 0.01% sarcosyl, 5% trehalose, and preservative.
Molecular Mass	43.9kDa
AA Sequence	MHHHHHSSG LVPRGSGMKE TAAAKFERQH MDSPDLGTDD DDKAMADIGS-EFLKQ ARFLENQE QE YVQAVKSYKG GPGSAVSPYP SFNVSSDVAA LHKAIMVKG V DEATIIDILT KRTNAQRQ QI KAAYLQENGK PLDEVLRKAL TGHLEEVVLA MLKTPAQFDA DELRGAMKGL GTDEDTLIEI LTTRSNEQIR EINRVYREEL KRDLAKDITS DTSGDFRKAL LALAKGDRCQ DLSVNQLDAD TDARALYEAG ERRKGTDVNV FTTILT SRSF PHLRRVFQNY GKYSQHDMNK ALDLELKGDI EKCLTTIVKC ATSTPAFFAE KLYEAMKGAG TRHKALIRIM VSRSEIDMNE IKVFYQKKYG ISLCQAILDE TKGDYEKILV ALCGGN
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Anxa1 annexin A1 [Mus musculus]
Official Symbol	Anxa1
Synonyms	ANXA1; annexin A1; p35; annexin I; annexin-1; calpactin-2; calpactin II; lipocortin 1; lipocortin I; chromobindin-9; phospholipase A2 inhibitory protein; Lpc1; Anx-1; Lpc-1; Anx-A1; C430014K04Rik;
Gene ID	16952
mRNA Refseq	NM_010730
Protein Refseq	NP_034860
MIM	
UniProt ID	P10107
Chromosome Location	19 B; 19 13.83 cM

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Pathway

Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Formyl peptide receptors bind formyl peptides and many other ligands, organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem;

Function

calcium ion binding; calcium-dependent phospholipid binding; phospholipase A2 inhibitor activity; phospholipase inhibitor activity; phospholipid binding; protein binding; protein binding, bridging; protein homodimerization activity; contributes_to single-stranded DNA binding; contributes_to single-stranded RNA binding; structural molecule activity;

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