

Recombinant Human ANXA4, GST-tagged

Cat. No. ANXA4-9697H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human ANXA4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 33-202a.a.

Description Annexin IV (ANX4) belongs to the annexin family of calcium-dependent phospholipid binding proteins. Although their functions are still not clearly defined, several members of the annexin family have been implicated in membrane-related events along exocytotic and endocytotic pathways. ANX4 has 45 to 59% identity with other members of its family and shares a similar size and exon-intron organization. Isolated from human placenta, ANX4 encodes a protein that has possible interactions with ATP, and has in vitro anticoagulant activity and also inhibits phospholipase A2 activity. ANX4 is almost exclusively expressed in epithelial cells.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	ANXA4 annexin A4 [Homo sapiens]
Official Symbol	ANXA4
Synonyms	ANXA4; annexin A4; ANX4; P32.5; PP4-X; PAP-II; annexin-4; protein II; endonexin I; lipocortin IV; chromobindin-4; 35-beta calcimedlin; proliferation-inducing gene 28; proliferation-inducing protein 28; placental anticoagulant protein II; carbohydrate-binding protein p33/p41; annexin IV (placental anticoagulant protein II); PIG28; ZAP36; MGC75105; DKFZp686H02120;
Gene ID	307
mRNA Refseq	NM_001153
Protein Refseq	NP_001144
MIM	106491
UniProt ID	P09525
Chromosome Location	2p13.3
Pathway	Prostaglandin Synthesis and Regulation, organism-specific biosystem;
Function	calcium ion binding; calcium ion binding; calcium-dependent phospholipid binding; calcium-dependent phospholipid binding; calcium-dependent phospholipid binding; phospholipase inhibitor activity;

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