

Recombinant Human ANXA2, GST-tagged

Cat. No. ANXA2-9695H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANXA2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-339a.a.
Description	This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption. This gene has three pseudogenes located on chromosomes 4, 9 and 10, respectively. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	ANXA2 annexin A2 [Homo sapiens]
Official Symbol	ANXA2
Synonyms	ANXA2; annexin A2; ANX2, ANX2L4, CAL1H, LPC2D; annexin II; LIP2; annexin-2; protein I; lipocortin II; chromobindin 8; chromobindin-8; calpactin I heavy chain; calpactin-1 heavy chain; calpactin I heavy polypeptide; placental anticoagulant protein IV; P36; ANX2; LPC2; CAL1H; LPC2D; ANX2L4; PAP-IV;
Gene ID	302
mRNA Refseq	NM_001002857
Protein Refseq	NP_001002857
MIM	151740
UniProt ID	P07355
Chromosome Location	15q22.2
Pathway	Prostaglandin Synthesis and Regulation, organism-specific biosystem;
Function	Rab GTPase binding; calcium ion binding; calcium-dependent phospholipid binding; cytoskeletal protein binding; phosphatidylinositol-4,5-bisphosphate binding; phospholipase inhibitor activity; protein binding;