Recombinant Human ANXA5, GST-tagged

Cat. No. ANXA5-112H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human annexin V fused to a GST-tag.
Species	Human
Source	E.coli
Description	Annexin V is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade. Annexin V competes for phosphatidylserine binding sites (e.g. platelets) with prothrombin or coagulation factors and inhibis the activity of phospholipase A1. Antibodies directed against annexin V are found in patients with a disease called the antiphospholipid syndrome(APS), a thrombophilic disease associated with autoantibodies against phospholipid compounds. Annexin V is used as a probe in the "annexin V affinity assay" to detect cells that have expressed phosphatidylserine on the cell surface, a feature found in apoptosis and other forms of cell death.
Form	Lyophilized. In PBS, pH 7.4.
Molecular Mass	~52kDa (SDS-PAGE)
Purity	Affinity purified.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Reconstituted solutions can be kept at 4°C under sterile conditions for one week or should be frozen in aliquots at -20°C.

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Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. Avoid freeze/thaw cycles. Repeated freeze/thaw cycles (>3) may result in an adverse effect on the activity.

GENE INFORMATION

Gene Name	ANXA5 annexin A5 [Homo sapiens]
Official Symbol	ANXA5
Synonyms	ANXA5; annexin A5; ANX5, ENX2; CBP-I; PAP-I; VAC-alpha; annexin V; annexin-5; anchorin CII; endonexin II; lipocortin V; calphobindin I; thromboplastin inhibitor; vascular anticoagulant-alpha; placental anticoagulant protein 4; placental anticoagulant protein I; PP4; ANX5; ENX2;
Gene ID	308
mRNA Refseq	NM_001154
Protein Refseq	NP_001145
MIM	131230
UniProt ID	P08758
Chromosome Location	4q27
Pathway	Prostaglandin Synthesis and Regulation, organism-specific biosystem;
Function	calcium ion binding; calcium-dependent phospholipid binding; eukaryotic cell surface binding; phospholipase inhibitor activity; phospholipid binding; receptor tyrosine

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	kinase binding;

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