

## 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 inhibits 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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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