

## Recombinant Human Annexin A5, His-tagged

Cat. No. ANXA5-1430H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant human full-length Annexin 5 Protein was expressed in *E. coli* cells using a N-terminal His tag. MW=37kDa.

**Species** Human

**Source** E.coli

**Description** Annexin 5 is a member of the annexin family of calcium-dependent phospholipid binding proteins. Annexin 5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel activity and a potential role in cellular signal transduction, inflammation, growth and differentiation. In vitro studies have shown that Annexin 5 is a cellular protein which plays a role in the inhibition of blood coagulation by competing for phosphatidylserine binding sites with prothrombin. Through affinity assays Annexin 5 has been localized on cells that expressed phosphatidylserine on the cell surface, a feature found in apoptosis as well as other forms of cell death.

**Sequence** Full-length.

**Applications** Western Blot.

**Storage And Stability** Store product at  $-70^{\circ}\text{C}$ . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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## GENE INFORMATION

**Gene Name** [ANXA5 annexin A5 \[ Homo sapiens \]](#)

**Synonyms**

ANXA5; annexin A5; PP4; ANX5; ENX2; anchorin CII; endonexin II; lipocortin V; placental anticoagulant protein I; Annexin-5; Annexin V; Lipocortin V; Endonexin II; Calphobindin I; Placental anticoagulant protein I; Placental anticoagulant protein 4; Thromboplastin inhibitor; Vascular anticoagulant-alpha; VAC-alpha; CBP-I; PAP-I

**Gene ID** [308](#)

**mRNA Refseq** [NM\\_001154](#)

**Protein Refseq** [NP\\_001145](#)

**UniProt ID** [P08758](#)

**Chromosome Location** 4q27

**MIM** [131230](#)

**Function**

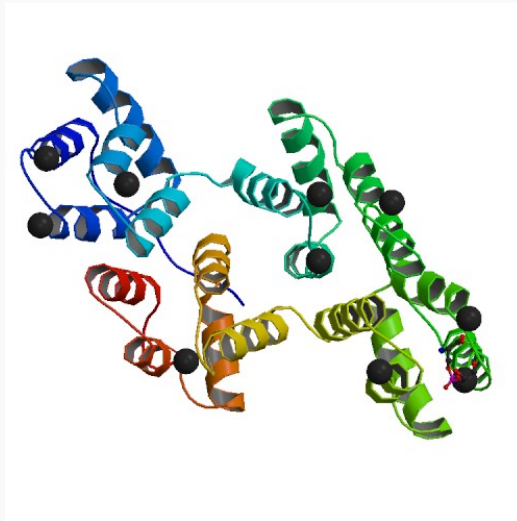
calcium ion binding; calcium-dependent phospholipid binding; eukaryotic cell surface binding; phospholipase inhibitor activity; protein binding; receptor tyrosine kinase binding

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