

## Recombinant Human ANXA5 Protein, His-tagged

Cat. No. ANXA5-001H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human ANXA5 Protein 1-320 aa (full-length) with a 6xHis tag was expressed in E.coli.

**Species** Human

**Source** E.coli

**ProteinLength** 1-320 a.a.

**Description** The Annexin 5 gene spans 29 kb containing 13 exons, and encodes a single transcript of approximately 1.6 kb and a protein product with a molecular weight of about 35 kDa. The protein encoded by this gene belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. 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. Annexin 5 has also been described as placental anticoagulant protein I, vascular anticoagulant-alpha, endonexin II, lipocortin V, placental protein 4 and anchorin CII. Polymorphisms in this gene have been implicated in various obstetric complications.

**Molecular Mass** 39 kDa

**Purity** >95% confirmed by 10% SDS-PAGE stained with Coomassie Blue (CB), immunoblotting with anti-6xHis (WB).

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<b>Applications</b>	ELISA, WB, Antibody Production, Protein array
<b>Quality Control Test</b>	10% SDS-PAGE stained with Coomassie Blue (CB), immunoblotting with anti-6xHis (WB) serum and peptide fingerprinting by MALDI-TOF-TOF mass spectrometry.
<b>Storage</b>	Store working aliquots at 4 centigrade for up to one week. For extended storage, conserve at -80 centigrade.
<b>Expiry</b>	12 months from the date of purchase, if it is properly stored.
<b>Storage Buffer</b>	20mM Tris-HCl, 0.5M NaCl, 100mM imidazole, 1mM 2-mercaptoethanol, pH:8.0. No preservatives added.
<b>Shipping</b>	Dry Ice

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ANXA5 annexin A5 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">ANXA5</a>
<b>Synonyms</b>	ANXA5; annexin A5; PP4; ANX5; ENX2; RPRGL3; HEL-S-7; annexin A5; CBP-I; PAP-I; VAC-alpha; anchorin CII; annexin V; annexin-5; calphobindin I; endonexin II; epididymis secretory protein Li 7; lipocortin V; placental anticoagulant protein 4; placental anticoagulant protein I; thromboplastin inhibitor; vascular anticoagulant-alpha
<b>Gene ID</b>	<a href="#">308</a>
<b>mRNA Refseq</b>	<a href="#">NM_001154</a>

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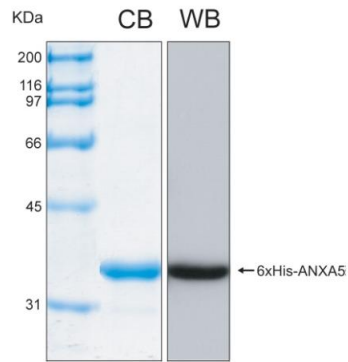
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**Protein Refseq** NP\_001145

**MIM** 131230

**UniProt ID** P08758



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