

# Recombinant Human ANXA5 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ANXA5-4705H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	ANXA5 MS Standard C13 and N15-labeled recombinant protein (NP_001145) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p> <p>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.</p>
<b>Molecular Mass</b>	35.9 kDa
<b>AA Sequence</b>	MAQVLRGTVTDFPGFDERADAETLRKAMKGLGTDEESILTLTSSRSNAQRQEISAAF KTLFGRDLLDDLKSELTKFEKLIVALMKPSRLYDAYELKHALKGAGTNEKVLTEIIAS

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RTPEELRAIKQVYEEEEYGSSLEDDVVGDTSGYYQRMLVLLQANRDPDAGIDEAQV  
 EQDAQALFQAGELKWGTDEEKFITIFGTRSVSHLRKVFDKYMTISGFQIEETIDRETS  
 GNLEQLLLAVVKSIRSIPAYLAETLYYAMKGAGTDDHTLIRVMVSRSETDLFNIRKEFR  
 KNFATSLYSMIKGDTSGDYKALLLLCGEDDTRTRPLEQKLISEEDLAANDILDYKDD  
 DDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

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

**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](#)

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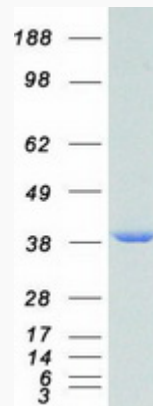
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**Protein Refseq** NP\_001145

**MIM** 131230

**UniProt ID** P08758

**SDS-PAGE**



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