

## Product datasheet for PH305619

### Annexin V (ANXA5) (NM\_001154) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ANXA5 MS Standard C13 and N15-labeled recombinant protein (NP_001145)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205619
Predicted MW:	35.9 kDa
Protein Sequence:	>RC205619 protein sequence Red=Cloning site Green=Tags(s)

MAQVLRGTVTDFPGFDERADAETLRKAMKGLGTDEESILTLTSTRSNAQRQEISAAFKTLFGRDLLDDLK  
SELTGKFEKLIIVALMKPSRLYDAYELKHALKGAGTNEKVLTEIIASRTPEELRAIKQVYEEEEYGSSLEDD  
VVGDTSGYYQRMLVLLQANRDPDAGIDEAQVEQDAQALFQAGELKWTDEEKFITIFGTRSVSHLRKVF  
DKYMTISGFQIEETIDRETSGNLEQLLLAVVKSIRSIPAYLAETLYYAMKGAGTDDHTLIRVMVSRSETD  
LFNIRKEFRKNFATSLYSMIKGDTSGDYKALLLLCGEDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001145</u>
RefSeq Size:	1624
RefSeq ORF:	960
Synonyms:	ANX5; ENX2; HEL-S-7; PP4; RPRGL3
Locus ID:	308



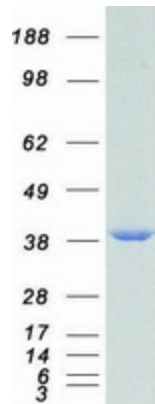
[View online »](#)

UniProt ID: [P08758](#), [V9HWE0](#)

Cytogenetics: 4q27

**Summary:** 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. [provided by RefSeq, Dec 2019]

### Product images:



Coomassie blue staining of purified ANXA5 protein (Cat# [TP305619]). The protein was produced from HEK293T cells transfected with ANXA5 cDNA clone (Cat# [RC205619]) using MegaTran 2.0 (Cat# [TT210002]).