

Product datasheet for TP321723M

Annexin VII (ANXA7) (NM_004034) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human annexin A7 (ANXA7), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221723 representing NM_004034 Red=Cloning site Green=Tags(s) MSYPGYPPTGYPPFGYPPAGQESSFPPSGQYPYPSGFPPMGGGAYPQVPSSGYPGAGGYPAPGGYPAPG GYPGAPQPGGAPSYPGVPPGQGFVPPGGAGFSGYPQPPSQSYGGGPAQVPLPGGFPGGQMPSQYPPGGQP TYPQINTDSFSSYPVFSPVSLDYSSEPATVTQVTQGTIRPAANFDAIRDAEILRKAMKGFGTDEQAIVD VVANRSNDQRQKIKAAFKTSYGKDLIKDLKSELNMEELILALFMPPTYDDAWSLRKAMQGAGTQERVL IEILCTRTRNQEIREIVRCYQSEFGRDLEKDIRSDTSGHFERLLVSMCQGNRDNQSIHQMAQEDAQRLY QAGEGRLGTDESCFNMILATRSFPQLRATMEAYSRRMANRDLLSSVSREFSGYVESGLKILQCALNRPAF FAERLYYAMKGAGTDDSTLVRIVVTRSEIDLVIQIKQMFQMYQKTLGTMIAAGDTSGDYRRLLLAIVGQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	52.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004025



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Locus ID: 310

UniProt ID: [P20073](#), [B2R657](#)

RefSeq Size: 2176

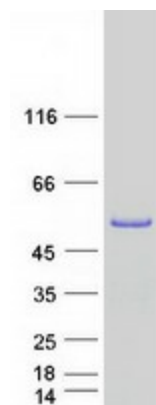
Cytogenetics: 10q22.2

RefSeq ORF: 1464

Synonyms: ANX7; SNX; SYNEXIN

Summary: Annexin VII is a member of the annexin family of calcium-dependent phospholipid binding proteins. The Annexin VII gene contains 14 exons and spans approximately 34 kb of DNA. An alternatively spliced cassette exon results in two mRNA transcripts of 2.0 and 2.4 kb which are predicted to generate two protein isoforms differing in their N-terminal domain. The alternative splicing event is tissue specific and the mRNA containing the cassette exon is prevalent in brain, heart and skeletal muscle. The transcripts also differ in their 3'-non coding regions by the use of two alternative poly(A) signals. Annexin VII encodes a protein with a molecular weight of approximately 51 kDa with a unique, highly hydrophobic N-terminal domain of 167 amino acids and a conserved C-terminal region of 299 amino acids. The latter domain is composed of alternating hydrophobic and hydrophilic segments. Structural analysis of the protein suggests that Annexin VII is a membrane binding protein with diverse properties, including voltage-sensitive calcium channel activity, ion selectivity and membrane fusion. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified ANXA7 protein (Cat# [TP321723]). The protein was produced from HEK293T cells transfected with ANXA7 cDNA clone (Cat# [RC221723]) using MegaTran 2.0 (Cat# [TT210002]).