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## Datasheet for ABIN2714746 Annexin VII Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)





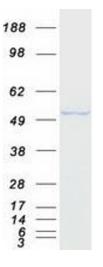
Overview

Overview	
Quantity:	20 µg
Target:	Annexin VII (ANXA7)
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Annexin VII protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	<ul> <li>Recombinant human Annexin A7 / ANXA7 (transcript variant 1) protein expressed in HEK293 cells.</li> </ul>
	Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	Annexin VII (ANXA7)
Alternative Name:	Annexin a7,anxa7 (ANXA7 Products)
Background:	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

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	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.
Molecular Weight:	50.1 kDa
NCBI Accession:	NP_001147
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only
Handling	
Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze
	immediately. Only 2-3 freeze thaw cycles are recommended.

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Western Blotting

Image 1. Validation with Western Blot

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