

Recombinant Human ANXA7

Catalog No: #GP10053



Package Size: #GP10053-1 100ug

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Description

Product Name	Recombinant Human ANXA7
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 232 amino acids of human Annexin A7
Target Name	Annexin A7
Other Names	SNX, ANX7, SYNEXIN
Accession No.	Swissprot:P20073Gene Accession:BC002632
Uniprot	P20073
GeneID	310;
Storage	-20~-80°C, pH 7.6 PBS

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 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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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