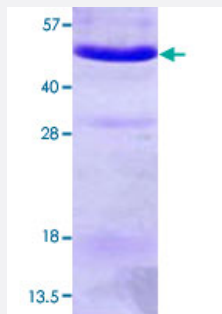


Full-Length

ANXA7 (Human) Recombinant Protein

Catalog # P5846 Size 100 ug

Applications



Specification

Product Description

Human ANXA7 (NP_001147, 1 a.a. - 466 a.a.) full-length recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MGSSHHHHHHSSGLVPRGSHMGSHMSYPGYPTGYPPFPGYPPAGQESSFPPSGQYPYPSGFP
PMGGGAYPQVPSSGYPGAGGYAPGGYPAPGGYPGAPQPGGAPSYPGVPPGQGFVPPGGA
GFSGYPQPPSQSYGGGPAQVPLPGGFPGGQMPSQYPGGQPTYPSQPATVTQVTQGTIRPAANF
DAIRDAEILRKAMKGFGTDEQAIVDVVANRSNDQRQKIKAAFKTSYGKDLIKDLKSELSGNMEELIL
ALFMPPTYDDAWSLRKAMQGAGTQERVLEILCTR TNQEIREIVRCYQSEFGRDLEKDIRSDTSGHF
ERLLVSMCQGNRDENQSIHQMAQEDAQRLYQAGEGRLGTDESCFNMILATRSFPQLRATMEAY
SRMANRDLLSSVSREFSGYVESGLKTLQCALNRPAFFAERLYAMKGAGTDDSTLVRIVTRSEI
DLVQIKQMFAQMYQKTLGTMIAGDTSGDYRLLLAMVQ

Host

Escherichia coli

Theoretical MW (kDa)

52.9

Form

Liquid

Preparation Method

Escherichia coli expression system

Purity

> 85% by SDS - PAGE

Quality Control Testing

3 ug/lane in 15% SDS-PAGE Stained with Coomassie Blue. Due to the protein nature, dimmers and multimers may be observed.

Storage Buffer

In 20 mM Mes buffer, 0.15 M NaCl, pH 5.0 (40% glycerol, 1 mM DTT).

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — ANXA7

Entrez GeneID[310](#)**Gene Name**

ANXA7

Gene Alias

ANX7, SNX, SYNEXIN

Gene Description

annexin A7

Omim ID[186360](#)**Gene Ontology**[Hyperlink](#)**Gene 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]

Other Designations

OTTHUMP00000019812|OTTHUMP00000019813|OTTHUMP00000042922|OTTHUMP00000042923|OTTHUMP00000042925|annexin VII

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)