

Recombinant Human Annexin A7

ORDERING INFORMATION

Catalog Number	Size
13822P-2	2ug
13822P-10	10ug
13822P-1000	1000ug

Formulation: Sterile-filtered colorless solution in 10mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% sodium azide, and 10mM DTT. Purified by proprietary chromatographic techniques.

BACKGROUND

Annexin 7 is a member of the annexin family of calcium-dependent phospholipids binding proteins. It includes a unique, highly hydrophobic N-terminal domain of 167 amino acids and a conserved C-terminal region of 299 amino acids. The latter is composed of alternating hydrophobic and hydrophilic segments. Analysis of this protein suggests that Annexin 7 is a membrane binding protein with diverse properties including voltage-sensitive calcium channel activity, ion selectivity, and membrane fusion.

DESCRIPTION

Recombinant Human Annexin A7 produced in *E. coli* is a single, non-glycosylated polypeptide chain containing amino acids 1-466 with a molecular weight of 53.6kDa. It includes a T7 tag at the N-terminus.

SPECIFICATION SUMMARY

Source: *Escherichia coli*

Purity: Greater than 90% as determined by SDS-PAGE.

Accession number: P20073

STORAGE AND STABILITY

Although stable at 4°C for 1 week, product is best stored at or below -20°C. For long term storage, addition of a carrier protein (0.1% HSA or BSA) is recommended.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.