

Product information

ANXA13, 1-316 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1014

Full name: Annexin A13

NCBI Accession No.: NP_004297

Synonyms: ANX13, ISA, Annexin-13

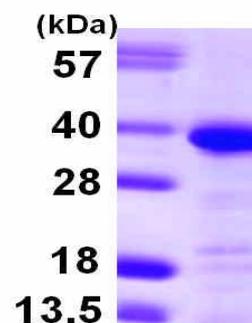
Description Annexin A13, also known as ANXA13, is a member of the annexin protein family. Members of the annexin family play a role in cytoskeletal interactions, phospholipase inhibition, regulation of cellular growth, and intracellular signal transduction pathways. ANXA13 is considered the original progenitor of the 12 members of vertebrate annexins. The expression of ANXA13 is highly tissue-specific, being expressed only in intestinal and kidney epithelial cells. This expression is associated with a highly differentiated intracellular transport function. Recombinant human ANXA13 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl, 1mM EDTA

Molecular Weight: 37.5 kDa (336aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGNRHAKASS PQGFDVDRDA KKLNKACKGM GTNEAAIIEI LSGRTSDERQ QIKQKYKATY GKELEEV LKS
ELSGNF EKTA LALLDRPSEY AARQLQKAMK GLGTDES VLI EVLCTR TNKE IIAIKEAYQR LFDRLSDV KGDTSGNLKK ILVSL LQANR
NEGDDVDKDL AGQDAKDLYD AGEGRWG TDE LAFNEVLAKR SYQLRATFQ AYQILIGKDI EEAIEEETSG DLQKAYLTLV RCAQDCEDYF
AERLYKSMKG AGTDEETLIR I VVTRAEVDL QG I KAKFQEK YQKSLSDMVR SDTSGDFRKL LVALLH

General references:

Smith P D., *et al.* (1994) *Trends Genet.* 10:241-246.

Lqlesias J M., *et al.* (2002) *Mol Biol Evol.* 19:133-140.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.