

Recombinant human Annexin A13/ANXA13 protein

Catalog Number: ATGP1014

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-316aa

UniProt No.

P27216

NCBI Accession No.

NP_004297

Alternative Names

Annexin XIII, Annexin-13, Intestine-specific annexin, ISA, ANX13

PRODUCT SPECIFICATION

Molecular Weight

37.5 kDa (336aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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using conventional chromatography techniques.

Amino acid Sequence

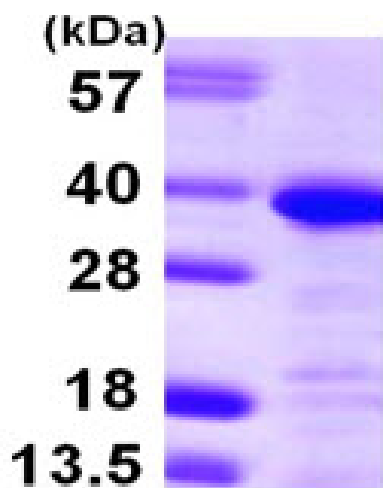
MGSSHHHHHH SSGLVPRGSH MGNRHAKASS PQGFDVDRDA KKLNKACKGM GTNEAAIIEI LSGRTSDERQ QIKQKYKATY
GKELEEVLKS ELSGNFEKTA LALLDRPSEY AARQLQKAMK GLGTDESVLI EVLCTRTRNKE IIAIKEAYQR LFDRSLES DV
KGDTSGNLKK ILVSLLQANR NEGDDVDKDL AGQDAKDLYD AGEGRWGTDE LAFNEVLAKR SYKQLRATFQ AYQILIGKDI
EEAIEEETSG DLQKAYLTLV RCAQDCEDYF AERLYKSMKG AGTDEETLIR IVVTRAEVDL QGIKAKFQEK 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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)