Recombinant Human ANXA13, His-tagged

Cat. No. ANXA13-3508H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ANXA13 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
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)
Sequences of amino	MGSSHHHHHH SSGLVPRGSH MGNRHAKASS PQGFDVDRDA KKLNKACKGM

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acids	GTNEAAIIEI LSGRTSDERQ QIKQKYKATY GKELEEVLKSELSGNFEKTA LALLDRPSEY AARQLQKAMK GLGTDESVLI EVLCTRTNKE IIAIKEAYQR LFDRSLESDV KGDTSGNLKK ILVSLLQANR NEGDDVDKDL AGQDAKDLYD AGEGRWGTDE LAFNEVLAKR SYKQLRATFQ AYQILIGKDI EEAIEEETSG DLQKAYLTLV RCAQDCEDYFAERLYKSMKG AGTDEETLIR IVVTRAEVDL QGIKAKFQEK YQKSLSDMVR SDTSGDFRKL LVALLH
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.

GENE INFORMATION

Gene Name	ANXA13 annexin A13 [Homo sapiens]
Synonyms	annexin A13; ISA; ANX13; MGC150460; ANXA13; annexin-13; annexin XIII; intestine-specific annexin; annexin, intestine-specific; Annexin A13
Gene ID	312
mRNA Refseq	NM_001003954
Protein Refseq	NP_001003954
MIM	602573
UniProt ID	P27216
Chromosome Location	8q24.13
Function	calcium ion binding; calcium-dependent phospholipid binding

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