

Recombinant Human ANXA2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ANXA2-1086H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ANXA2 MS Standard C13 and N15-labeled recombinant protein (NP_001002857) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption. This gene has three pseudogenes located on chromosomes 4, 9 and 10, respectively. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. Annexin A2 expression has been found to correlate with resistance to treatment against various cancer forms.
Molecular Mass	38.6 kDa
AA Sequence	MSTVHEILCKLSLEGDHSTPPSAYGSVKAYTNFDAERDALNIETAIKTKGVDEVTIVNI LTNRSNAQRQDIAFAYQRRTKKELASALKSALSGHLETVILGLLKTPAQYDASELKAS MKGLGTDEDSLIEIICSRTNQELQEINRVYKEMYKTDLEKDIISDTSGDFRKL MVALAK GRR AEDGSVIDYELIDQDARDLYDAGVKRKGTDV PKWISIMTERSVP HLQKVFD RYK SYSPYDML ESIRKEVKGDLENAFLNLVQCIQNKPLYFADRLYDSMKGKGTRDKVLIRI

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	MASRSEVDMLKIRSEFKRKYGKSLYYYIQDQTKGDYQKALLYLCGGDDTRTRPLEQ KLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ANXA2 annexin A2 [Homo sapiens (human)]
Official Symbol	ANXA2
Synonyms	ANXA2; annexin A2; ANX2, ANX2L4, CAL1H, LPC2D; annexin II; LIP2; annexin-2; protein I; lipocortin II; chromobindin 8; chromobindin-8; calpactin I heavy chain; calpactin-1 heavy chain; calpactin I heavy polypeptide; placental anticoagulant protein IV; P36; ANX2; LPC2; CAL1H; LPC2D; ANX2L4; PAP-IV;
Gene ID	302
mRNA Refseq	NM_001002857
Protein Refseq	NP_001002857

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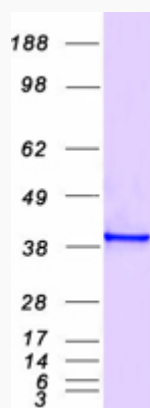
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MIM 151740

UniProt ID P07355

SDS-PAGE



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