Recombinant Human API5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. API5-3005H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	API5 MS Standard C13 and N15-labeled recombinant protein (NP_001136403) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an apoptosis inhibitory protein whose expression prevents apoptosis after growth factor deprivation. This protein suppresses the transcription factor E2F1-induced apoptosis and also interacts with, and negatively regulates Acinus, a nuclear factor involved in apoptotic DNA fragmentation. Its depletion enhances the cytotoxic action of the chemotherapeutic drugs. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.
Molecular Mass	50.6 kDa
AA Sequence	MPTVEELYRNYGILADATEQVGQIRRQAIKELPQFATGENLPRVADILTQLLQTDDSA EFNLVNNALLSIFKMDAKGTLGGLFSQILQGEDIVRERAIKFLSTKLKTLPDEVLTKEV EELILTESKKVLEDVTGEEFVLFMKILSGLKSLQTVSGRQQLVELVAEQADLEQTFNP SDPDCVDRLLQCTRQAVPLFSKNVHSTRFVTYFCEQVLPNLGTLTTPVEGLDIQLEV LKLLAEMSSFCGDMEKLETNLRKLFDKLLEYMPLPPEEAENGENAGNEEPKLQFSY VECLLYSFHQLGRKLPDFLTAKLNAEKLKDFKIRLQYFARGLQVYIRQLRLALQGKTG EALKTEENKIKVVALKITNNINVLIKDLFHIPPSYKSTVTLSWKPVQKVEIGQKRASEDT

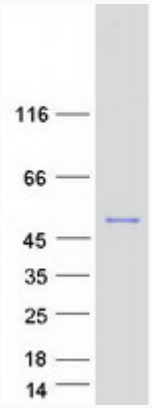
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	TSGSPPKKSSAGPKRDARQIYNPPSGKYSSNLGNFNYERSLQGKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	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	API5 apoptosis inhibitor 5 [Homo sapiens (human)]
Official Symbol	API5
Synonyms	API5; apoptosis inhibitor 5; AAC 11; AAC11; API5 like 1; API5L1; fibroblast growth factor 2 interacting factor 2; migration inducing protein MIG8; FIF; antiapoptosis clone 11 protein; migration-inducing protein MIG8; cell migration-inducing gene 8 protein; fibroblast growth factor 2-interacting factor 2; AAC-11; FLJ11587;
Gene ID	8539
mRNA Refseq	NM_001142931
Protein Refseq	NP_001136403

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MIM	609774
UniProt ID	Q9BZZ5
SDS-PAGE	

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