

Product datasheet for PH327863

Apoptosis inhibitor 5 (API5) (NM_001142931) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	API5 MS Standard C13 and N15-labeled recombinant protein (NP_001136403)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC227863
Predicted MW:	50.6 kDa
Protein Sequence:	>RC227863 representing NM_001142931 Red=Cloning site Green=Tags(s)

MPTVEELYRNYGILADATEQVGQIRRQAIKELPQFATGENLPRVADILTQLLQTDDSAEFNLVNNALLSIFKMDAKGTLGGLFSQILQGEDIVRERAIKFLSTKLKTLPDEVLTKEVEELILTESKKVLEDVTGEEFVLFMKILSGLKSLQTVSGRQQLVELVAEQADLEQTFNPSDPDCVDRLLQCTRQAVPLFSKNVHSTRFVTFYFCEQVLPNLGTLTTPVEGLDIQLEVLKLLAEMSSFCGDMEKLETNLRKLFDKLLEYMPLPPEEAENGENAGNEPKLQFSYVECLLYSFHQLGRKLPDFLTAKLNAEKLKDFKIRLQYFARGLQVYIRQLRLALQGGTGEALKTEENKIKVVALKITNNINVLIKDLFHIPPSYKSTVTLSWKPVQKVEIGQKRASEDTTSGSPPKKSSAGPKRDARQIYNPPSGKYSSNLGNFNYSRLQGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001136403
RefSeq ORF:	1350
Synonyms:	AAC-11; AAC11
Locus ID:	8539



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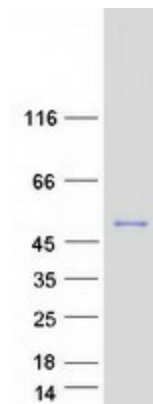
UniProt ID: [Q9BZZ5](#)

Cytogenetics: 11p12

Summary: 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. [provided by RefSeq, Aug 2011]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified API5 protein (Cat# [TP327863]). The protein was produced from HEK293T cells transfected with API5 cDNA clone (Cat# [RC227863]) using MegaTran 2.0 (Cat# [TT210002]).