

## Product datasheet for TP327863L

### Apoptosis inhibitor 5 (API5) (NM\_001142931) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human apoptosis inhibitor 5 (API5), transcript variant 3, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC227863 representing NM_001142931 Red=Cloning site Green=Tags(s)

MPTVEELYRNYGILADATEQVGQIRRQAIKELPQFATGENLPRVADILTQLLQTDDSAEFNLVNNALLSI  
FKMDAKGTLGGLFSQILQGEDIVRERAIKFLSTKLKTLTPDEVLTKEVEELILTESKKVLEDVTGEEFVLF  
MKILSGLKSLQTVSGRQQLVELVAEQADLEQTFNPSDPDCVDRLLQCTRQAVPLFSKNVHSTRFVTFYFCE  
QVLPNLGTLTPVEGLDIQLEVLKLLAEMSSFCGDMEKLETNLRKLFDKLLEYMPLPPEEAENGENAGNE  
EPKLQFSYVECLLYSFHQLGRKLPDFLTAKLNAEKLKDFKIRLQYFARGLQVYIRQLRLALQGKTGEALK  
TEENKIKVVALKITNNINVLKDLFHIPPSYKSTVTLSWKPVQKVEIGQKRASEDTTSGSPPKKSSAGPK  
RDARQIYNPPSGKYSSNLGNFNYSRSLQGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	50.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001136403</a>



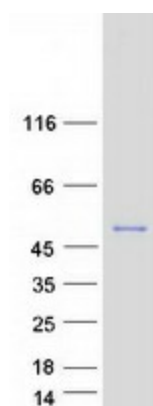
[View online »](#)

Locus ID: 8539  
UniProt ID: [Q9BZZ5](#)  
Cytogenetics: 11p12  
RefSeq ORF: 1350  
Synonyms: AAC-11; AAC11

**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]).