

Product datasheet for **TP318424M**

ING3 (NM_019071) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human inhibitor of growth family, member 3 (ING3), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218424 representing NM_019071 Red =Cloning site Green =Tags(s)
	<p>MLYLEDYLEMIEQLPMDLRDRFTEMREMDLQVQNAMDQLEQRVSEFFMNAKKNKPEWREEQMASIKKDY KALEDADEKVQLANQIYDLVDRHLRKLQELAKFKMELEADNAGITEILERRSELDTPSQPVNNHHAHS HTPVEKRKYNPSTSHHTTDDHIPEKKFKSEALLSTLTSDASKENTLGCNNNSTASSNNAYNVNSSQPLGS YNIIGLSSTGAGAITMAAAQAVQATAQMKEGRRRTSSLKASYEAFKNNDFQLGKEFSMARETVGYSSSSA LMTTLTQNASSAADSRSRGRKSKNNNKSSSQSSSSSSSSSSSSSSSSSTVWQEISQQTWVPESDNSQ VDWTYDPNEPRYCICNQVSYGEMVGCNDQDCPIEFWHYGCVGLTEAPKGGWYCPQCTAAMKRRGSRHK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	46.6 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:	NP_061944



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Locus ID: 54556

UniProt ID: [Q9NXR8](#)

RefSeq Size: 2221

Cytogenetics: 7q31.31

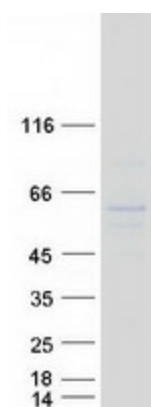
RefSeq ORF: 1254

Synonyms: Eaf4; ING2; MEAF4; p47ING3

Summary: The protein encoded by this gene is similar to ING1, a tumor suppressor protein that can interact with TP53, inhibit cell growth, and induce apoptosis. This protein contains a PHD-finger, which is a common motif in proteins involved in chromatin remodeling. This gene can activate p53 trans-activated promoters, including promoters of p21/waf1 and bax. Overexpression of this gene has been shown to inhibit cell growth and induce apoptosis. Allelic loss and reduced expression of this gene were detected in head and neck cancers. Two alternatively spliced transcript variants encoding different isoforms have been observed. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified ING3 protein (Cat# [TP318424]). The protein was produced from HEK293T cells transfected with ING3 cDNA clone (Cat# [RC218424]) using MegaTran 2.0 (Cat# [TT210002]).