

Product datasheet for PH318424

ING3 (NM_019071) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ING3 MS Standard C13 and N15-labeled recombinant protein (NP_061944)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218424
Predicted MW:	46.6 kDa
Protein Sequence:	>RC218424 representing NM_019071 Red=Cloning site Green=Tags(s) <p>MLYLEDYLEMIEQLPMDLRDRFTEMREMDLQVQNAMDQLEQRVSEFFMNAKKNKPEWREEQMASIKKDYY KALEDADEKVLANQIYDLVDRHLRKLQELAKFKMELEADNAGITEILERRSLELDTPSQPVNNHHAHS HTPVEKRKYNPSTSHHTTDDHIPEKKFKSEALLSTLTSDASKENTLGCRRNNSTASSNNAYNVNSSQPLGS YNIGSLSSGTGAGAITMAAAQAVQATAQMKEGRRTSSLKASYEAFKNNDQFLGKEFSMARETVGYSSSSA LMTTLTQNASSAADSRSGRKSNNKSSSSQSSSSSSSSSLSSCSSSTVVQEISQTTVVPESDSNSQ VDWTYDPNEPRYICNQVSYGEMVGCNDQDCPIEFWHYGCVGLTEAPKGGWYCPQCTAAMKRRGSRHK</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
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:	<u>NP_061944</u>
RefSeq Size:	2221
RefSeq ORF:	1254
Synonyms:	Eaf4; ING2; MEAF4; p47ING3
Locus ID:	54556



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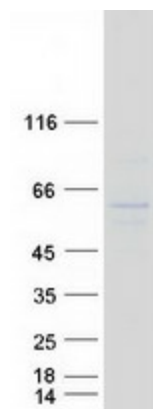
UniProt ID: [Q9NXR8](#)

Cytogenetics: 7q31.31

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]).