

Product datasheet for PH319386

TIA1 (NM_022173) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TIA1 MS Standard C13 and N15-labeled recombinant protein (NP_071505)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219386
Predicted MW:	42.8 kDa
Protein Sequence:	>RC219386 representing NM_022173 Red=Cloning site Green=Tags(s)
	MEDEMPKTLTVGNSLRDVTALILQLFSQIGPCKNCKMIMDTAGNDPYCFVEFHEHRHAAAAAAMNGRK IMGKEVKVNWATTPSSQKDTSSSTVVSTQRSQDHFHVFVGDLSPEITTEDIKAAFPFGRISDARVVKD MATGKSKGYGFVSFFNKWDAENAIQQMGGQWLGGRRQIRTNWATRKPPAPKSTYESNTKQLSYDEVVNQSS PSNCTVYCGGVTSGLTEQLMRQTFSPFGQIMEIRVFPDKGYSFVRFNSHESAAHAIVSVNGTTIEGHVVK CYWGKETLDMINPVQQNQIGYPQPYGQWGWYGNAAQIGQYMPNGWQVPAYGMYGQAWNQQGFNQTS APWMGPNYGVQPPQGQNGSMLPNQPSGYRVAGYETQ
	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:	<u>NP_071505</u>
RefSeq Size:	2390
RefSeq ORF:	1158
Synonyms:	ALS26; TIA-1; WDM
Locus ID:	7072



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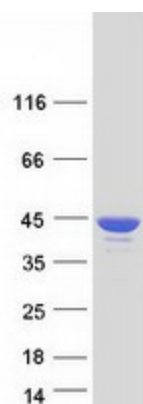
UniProt ID: [P31483](#)

Cytogenetics: 2p13.3

Summary: The product encoded by this gene is a member of a RNA-binding protein family and possesses nucleolytic activity against cytotoxic lymphocyte (CTL) target cells. It has been suggested that this protein may be involved in the induction of apoptosis as it preferentially recognizes poly(A) homopolymers and induces DNA fragmentation in CTL targets. The major granule-associated species is a 15-kDa protein that is thought to be derived from the carboxyl terminus of the 40-kDa product by proteolytic processing. Alternative splicing resulting in different isoforms has been found for this gene. [provided by RefSeq, May 2017]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified TIA1 protein (Cat# [TP319386]). The protein was produced from HEK293T cells transfected with TIA1 cDNA clone (Cat# [RC219386]) using MegaTran 2.0 (Cat# [TT210002]).