

Recombinant Human TIA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TIA1-3545H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TIA1 MS Standard C13 and N15-labeled recombinant protein (NP_071505) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	42.8 kDa
AA Sequence	MEDEMPKTLTVGNLSRDVTEALILQLFSQIGPCKNCKMIMDTAGNDPYCFVEFHEHR HAAAALAAMNGRKIMGKEVKVNWATTPSSQKKDTSSSTVVSTQRSQDHFHVFVGD LSPEITTEDIKAAFAPFGRISDARVVKDMATGKSKGYGFVSFFNKWDAENAIQQMGG QWLGGGRQIRTNWATRKPPAPKSTYESNTKQLSYDEVVNQSSPSNCTVYCGGVTS LTEQLMRQTFSPFGQIMEIRVFPDKGYSFVRFNHESAAHAIVSVNGTTIEGHVVKC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YWGKETLDMINPVQQNQIGYPQPYGQWGQWYGNAQQIGQYMPNGWQVPAYGM
YQAWNQQGFGNTQSSAPWMGPNYGVQPPQGQNGSMLPNQPSGYRVAGYETQ
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name TIA1 TIA1 cytotoxic granule-associated RNA binding protein [Homo sapiens (human)]

Official Symbol TIA1

Synonyms TIA1; TIA1 cytotoxic granule-associated RNA binding protein; TIA1 cytotoxic granule associated RNA binding protein; nucleolysin TIA-1 isoform p40; nucleolysin TIA 1 isoform p40; T cell restricted intracellular antigen 1; p40-TIA-1 (containing p15-TIA-1); T-cell-restricted intracellular antigen-1; TIA-1;

Gene ID 7072

mRNA Refseq NM_022173

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

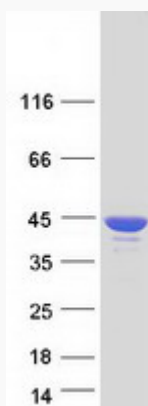
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_071505

MIM 603518

UniProt ID P31483

SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA