

Recombinant Full Length Human TIA1 Protein, C-Flag-tagged

Cat. No. TIA1-133HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TIA1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42.8 kDa
AA Sequence	MEDEMPKTLTYVGNLSRDVTEALILQLFSQIGPCKNCKMIMDTAGNDPYCFVEFHEHR HAAAALAAMNGRK IMGKEVKVNWATTPSSQKKDTSSSTVVSTQRSQDHFHVFGD LSPEITTEDIKAAFAPFGRISDARVVKD MATGKSKGYGFVSFFNKWDAENAIQQMG GQWLGGRRQIRTNWATRKPAPKSTYESNTKQLSYDEVVNQSS PSNCTVYCGGVT SGLTEQLMRQTFSPFGQIMEIRVFPDKGYSFVRFNHESAAHAIVSVNGTTIEGHV

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K CYWGKETLDMINPVQQNQIGYPQPYGQWGQWYGNAQQIGQYMPNGWQVPA
YGMYGQAWNQQGFNQTS
APWMGPNYGVQPPQGQNGSMLPNQPSGYRVAGYETQTRTRPLEQKLISEEDLAA
NDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

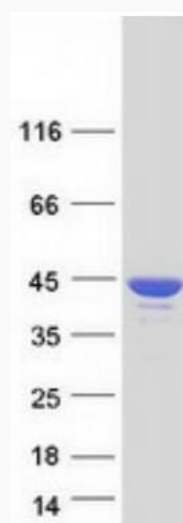
Gene Name	TIA1 TIA1 cytotoxic granule associated RNA binding protein [Homo sapiens (human)]
Official Symbol	TIA1
Synonyms	WDM; ALS26; TIA-1
Gene ID	7072

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mRNA Refseq	NM_022173.4
Protein Refseq	NP_071505.2
MIM	603518
UniProt ID	P31483



Coomassie blue staining of purified TIA1 protein.