

## Recombinant Human TRIM23

Cat. No. TRIM23-30124TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human TRIM23 with N terminal proprietary tag, 89.25 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	574 amino acids
<b>Description</b>	<p>The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This protein is also a member of the ADP ribosylation factor family of guanine nucleotide-binding family of proteins. Its carboxy terminus contains an ADP-ribosylation factor domain and a guanine nucleotide binding site, while the amino terminus contains a GTPase activating protein domain which acts on the guanine nucleotide binding site. The protein localizes to lysosomes and the Golgi apparatus. It plays a role in the formation of intracellular transport vesicles, their movement from one compartment to another, and phospholipase D activation. Three alternatively spliced transcript variants for this gene have been described.</p>
<b>Molecular Weight</b>	89.250kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification

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<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	<p>MATLVVNKLGAGVDSGRQGSRGTA VVKVLECGVCEDEVFSL QGDKVPRLLLLCGHTV            CHDCLTRLPLHGRAIRCPFDRQVTD LGDSGVWGLKKNFALLELLERLQNGPIGQYG            AAESIGIS GESIIRCEDEAHLASVYCTVCATHLCSECSQVTHSTKTL AKHRRVPL            ADKPHEKTMCSQHQVHAIEFVCLEEGCQTSPL MCCVCKEYGKHQGHKHSVLEPEA            NQIRASILDMAHCIRTF TEEISDYSRKLVGIVQHI EGGEQIVEDGIGMAHTEHVPGT A            ENARSCIRAYFYDLHETLCRQEEMALSVVDAHVREKLIW LRQQQEDMTILLSEVSAA            CLHCEKTLQQDDCRVVLAKQEI TRLLETLQKQQQQFTEVADHIQLDASIPVTFTKDN            RVHIG PKMEIRVVTLGLDGAGKTTILFKLKQDEFMQPIPTIGFNV ETVEYKNLKFTIW            DVGGKHKLRPLWKHYLNTQAVFVVD SSHRDRISEAHSELAKLLTEKELRDALLI            FANKQDVAGA LSVEEITELLSLHKLCCGRSWYIQGCDARSGMGLYEGLDW LSRQL            VAAGVLDVA</p>

## GENE INFORMATION

<b>Gene Name</b>	TRIM23 tripartite motif containing 23 [ Homo sapiens ]
<b>Official Symbol</b>	TRIM23
<b>Synonyms</b>	TRIM23; tripartite motif containing 23; ADP ribosylation factor domain protein 1, 64kDa , ARFD1, tripartite motif containing 23; E3 ubiquitin-protein ligase TRIM23; ARD1; RNF46;
<b>Gene ID</b>	373
<b>mRNA Refseq</b>	NM_001656



<b>Protein Refseq</b>	NP_001647
<b>MIM</b>	601747
<b>Uniprot ID</b>	P36406
<b>Chromosome Location</b>	5q12.3
<b>Function</b>	GDP binding; GTP binding; GTPase activity; enzyme activator activity; ligase activity;

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