TRIM23 cDNA Clone – Tripartite Motif-Containing 23 (Human)

PRODUCT OVERVIEW

Product Name	TRIM23, cDNA Clone
Full Product Name	TRIM23 cDNA Clone
Product Gene Name	TRIM23 cdna clone
Sequence	atggctaccc tggttgtaaa caagctcgga gcgggagtag acagtggccg gcagggcagc cgggggacag ctgtagtgaa ggtgctagag tgtggagttt gtgaagatgt cttttctttg caaggagaca aagttccccg tcttttgctt tgtggccata ccgtctgtca tgactgtctc actcgcctac ctcttcatgg aagagcaatc cgttgcccat ttgatcgaca agtaacagac ctaggtgatt caggtgtctg gggattgaaa aaaaattttg ctttattgga gcttttggaa cgactgcaga atgggcctat tggtcagtat ggagctgcag aagaatccat tgggatatct ggagagagca tcattcgttg tgatgaagat gaagctcacc ttgcctctgt atattgcact gtgtgtgcaa ctcatttgtg ctctgagtgt tctcaagtta ctcattctac aaagacatta gcaaagcaca ggcgagttcc tctagctgat aaacctcatg agaaaactat gtgctctcag caccaggtgc atgccattga gtttgtttgc ttggaagaag gttgtcaaac tagcccactc atgtgctgtg tctgcaaaga atatggaaaa caccagggtc acaagcattc agtattggaa ccagaagcta atcagatccg agcatcaatt ttagatatgg ctcactgcat acggaccttc acagaggaaa tctcagatta ttccagaaaa ttagttggaa ttgtgcagca cattgaagga ggagaacaaa tcgtggaaga tggaattgga atggctcaca cagaacatgt accagggact gcagagaatg cccggtcatg tattcgagct tatttttatg atctacatga aactctgtgt cgtcaagaag aaatggctct aagtgttgtt gatgctcatg ttcgtgaaaa attgatttgg ctcaggcagc aacaagaaga tatgactatt ttgttgtcag aggtttctgc agcctgcctc cactgtgaaa agactttgca gcaggatgat tgtagagttg tcttggcaaa acaggaaatt acaaggttac tggaaacatt gcagaaacag cagcagcagt ttacagaagt tgcagatcac attcagttgg atgccagcat ccctgtcact tttacaaagg ataatcgagt tcacattgga ccaaaaatgg aaattcgggt cgttacgtta ggattggatg gtgctggaaa aactactatc ttgtttaagt taaaacagga tgaattcatg cagcccattc caacaattgg ttttaacgtg gaaactgtag aatataaaaa tctaaaattc actatttggg atgtaggtgg aaaacacaaa ttaagaccat tgtggaaaca ttattacctc aatactcaag ctgttgtgtt tgttgtagat agcagtcata gagacagaat tagtgaagca cacagcgaac ttgcaaagtt gttaacggaa aaagaactcc gagatgctct gctcctgatt tttgctaaca aacaggatgt tgctggagca ctgtcagtag aagaaatcac tgaactactc agtctccata aattatgctg tggccgtagc tggtatattc agggctgtga tgctcgaagt ggtatgggac tgtatgaagg gttggactgg ctctcacggc aacttgtagc tgctggagta ttggatgttg cttga
Molecular Weight	61,068 Da
OMIM	601747
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TRIM23 cdna clone	MBS1275294 is a cDNA clone targeting TRIM23.
Other Notes	Small volumes of TRIM23 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIM23. It may not necessarily be applicable to this product.

NCBI GI #	18490295
NCBI GeneID	373
NCBI Accession #	BC022510
UniProt Secondary Accession #	Q9BZY4; Q9BZY5
UniProt Related Accession #	P36406
NCBI Official Full Name	Homo sapiens tripartite motif-containing 23, mRNA

NCBI Official Synonym Full Names	tripartite motif containing 23
NCBI Official Symbol	TRIM23
NCBI Official Synonym Symbols	ARD1; ARFD1; RNF46
UniProt Protein Name	E3 ubiquitin-protein ligase TRIM23
UniProt Synonym Protein Names	ADP-ribosylation factor domain-containing protein 1; GTP-binding protein ARD-1; RING finger protein 46; Tripartite motif-containing protein 23
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	TRIM23
UniProt Synonym Gene Names	ARD1; ARFD1; RNF46
UniProt Entry Name	TRI23_HUMAN
NCBI Protein Information	E3 ubiquitin-protein ligase TRIM23
NCBI Summary for TRIM23	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 phopholipase D activation. Three alternatively spliced transcript variants for this gene have been described. [provided by RefSeq, Jul 2008]
UniProt Comments for TRIM23	TRIM23: Acts as an E3 ubiquitin-protein ligase. In the presence of the human cytomegalovirus (HCMV) protein UL144, participates in 'Lys-63'-linked auto-ubiquitination of TRAF6 resulting in the virally controlled activation of NF-kappa-B at early time of infection. The C-terminus can act as an allosteric activator of the cholera toxin catalytic subunit. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin ligase; Ubiquitin conjugating system; Ligase; EC 6.3.2.- Chromosomal Location of Human Ortholog: 5q12.3 Cellular Component: Golgi membrane; lysosomal membrane Molecular Function: enzyme activator activity; GDP binding; GTP binding; GTPase activity; identical protein binding; protein binding; ubiquitin-protein ligase activity Biological Process: protein ubiquitination
Research Articles on TRIM23	**1.** TRIM23 regulates adipocyte differentiation via stabilization of the adipogenic activator PPARgamma2.
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