TES cDNA Clone – Testis Derived Transcript (3 LIM Domains) (Human)

PRODUCT OVERVIEW

Product Name	TES, cDNA Clone
Full Product Name	TES cDNA Clone
Product Gene Name	TES cdna clone
Sequence	atggacctgg aaaacaaagt gaagaagatg ggcttaggtc acgagcaagg atttggagcc ccttgtttaa aatgcaaaga aaaatgtgaa ggattcgaac tgcacttctg gagaaaaata tgtcgtaact gcaagtgtgg ccaagaagag catgatgtcc tcttgagcaa tgaagaggat cgaaaagtgg gaaaactttt tgaagacacc aagtatacca ctctgattgc aaaactaaag tcagatggaa ttcccatgta taaacgcaat gttatgatat tgacgaatcc agttgctgcc aagaagaatg tctccatcaa tacagttacc tatgagtggg ctcctcctgt ccagaatcaa gcattggcca ggcagtacat gcagatgcta cccaaggaaa agcagccagt agcaggctca gaggggcac agtaccggaa gaagcagctg gcaaagcagc tccctgcaca tgaccaggac ccttcaaagt gccatgagtt gtctcccaga gaggtgaagg agatggagca gtttgtgaag aaatataaga gcgaagctct gggagtagga gatgtcaaac ttccctgtga gatggatgcc caaggcccca aacaaatgaa cattcctgga ggggatagaa gcaccccagc agcagtgggg gccatggagg acaaatctgc tgagcacaaa agaactcaat attcctgcta ttgctgcaaa ctgagtatga aagaaggtga cccagccatc tatgccgaaa gggctggcta tgataaactg tggcacccag cttgttttgt ctgcagcacc tgccatgaac tcctggttga catgatttat ttttggaaga atgagaagct atactgtggc agacattact gtgacagcga gaaaccccga tgtgctggct gtgacgagct gatattcagc aatgagtata cccaggcaga aaaccagaat tggcacctga aacacttctg ctgctttgac tgtgatagca ttctagctgg ggagatatac gtgatggtca atgacaagcc cgtgtgcaag ccctgctatg tgaagaatca cgctgtggtg tgtcaaggat gccacaatgc catcgaccca gaagtgcagc gggtgaccta taacaatttc agctggcatg catccacaga gtgctttctg tgctcttgct gcagcaaatg cctcattggg cagaagttca tgccagtaga agggatggtt ttctgttcag tggaatgtaa gaagaggatg tcttag
Molecular Weight	46,910 Da
OMIM	606085
Vector	Please Inquire
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TES cdna clone	MBS1267277 is a cDNA clone targeting TES.
Other Notes	Small volumes of TES 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 TES. It may not necessarily be applicable to this product.

NCBI GI #	12655188
NCBI GeneID	26136
NCBI Accession #	BC001451
UniProt Secondary Accession #	Q9GZQ1; Q9HAJ9; A4D0U6
UniProt Related Accession #	Q9UGI8
NCBI Official Full Name	Homo sapiens testis derived transcript (3 LIM domains), mRNA
NCBI Official Synonym Full Names	testin LIM domain protein
NCBI Official Symbol	TES
NCBI Official Synonym Symbols	TESS; TESS-2
UniProt Protein Name	Testin

UniProt Synonym Protein Names	TESS
Protein Family	Terpinolene synthase
UniProt Gene Name	TES
UniProt Entry Name	TES_HUMAN
NCBI Protein Information	testin
NCBI Summary for TES	Cancer-associated chromosomal changes often involve regions containing fragile sites. This gene maps to a commom fragile site on chromosome 7q31.2 designated FRA7G. This gene is similar to mouse Testin, a testosterone-responsive gene encoding a Sertoli cell secretory protein containing three LIM domains. LIM domains are double zinc-finger motifs that mediate protein-protein interactions between transcription factors, cytoskeletal proteins and signaling proteins. This protein is a negative regulator of cell growth and may act as a tumor suppressor. This scaffold protein may also play a role in cell adhesion, cell spreading and in the reorganization of the actin cytoskeleton. Multiple protein isoforms are encoded by transcript variants of this gene.[provided by RefSeq, Mar 2011]
UniProt Comments for TES	TES: Scaffold protein that may play a role in cell adhesion, cell spreading and in the reorganization of the actin cytoskeleton. Plays a role in the regulation of cell proliferation. May act as a tumor suppressor. Inhibits tumor cell growth. Belongs to the prickle / espinas / testin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Cytoskeletal Chromosomal Location of Human Ortholog: 7q31.2 Cellular Component: cell junction; cell-cell adherens junction; cytoplasm; focal adhesion; nucleus; plasma membrane; protein complex Molecular Function: protein binding; zinc ion binding Biological Process: negative regulation of cell proliferation
Research Articles on TES	**1.** we confirm that the TES promoter is unmethylated in normal adult and fetal tissues. Re-expression of TESTIN protein in acute lymphoblastic leukemia cells using expression plasmid transfection results in rapid cell death or cell cycle arrest.
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