

Recombinant Human Testis Derived Transcript (3 LIM Domains), T7-tagged

Cat. No. TES-2994H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TES protein, fused with a T7-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques, 47933Da (421aa).
Species	Human
Source	E.coli
Description	Testin also known as TESS is a protein that in humans is encoded by the TES gene located on chromosome 7. TES is a 47 kDa protein composed of 421 amino acids found at focal adhesions and is thought to have a role in regulation of cell motility. In addition to this, TES functions as a tumour suppressor. The TES gene is located within a fragile region of chromosome 7, and the promoter elements of the TES gene have been shown to be susceptible to methylation - this prevents the expression of the TES protein. TES came to greater prominence towards the end of 2007 as a potential mechanism for its tumour suppressor function was published.
Sequences of amino acids	MDLENKVKKM GLGHEQGFGA PCLKCKEKCE GFELHFWRKI CRNCKCGQEE HDVLLSNEED RKGKLFEDT KYTTLIAKLK SDGIPMYKRN VMILTNPVAA KKNVSINTVT YEWAPPVQNN ALARQYMQML PKEKQPVAGS EGAQYRKKQL AKQLPAHDQD PSKCHELSPR EVKEMEQLVK KYKSEALGVG DVKLPCEMDA QGPKQMNIPG GDRSTPAAVG AMEDKSAEHK RTQYSCYCCK LSMKEGDPAI YAERAGYDKL WHPACFVCST CHELLVDMYI FWKNEKLYCG RHYCDSEKPR

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CAGCDELIFS NEYTQAENQN WHLKHFC CFD CDSILAGEIY VMVNDKPVCK
PCYVKNHAVV CQGCHNAIDP EVQRTYNNF SWHASTECFL CSCCSKCLIG
QKFMPVEGMV FCSVECKKRM S

Formulation 10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN₃. 10mM DTT

Purity 95% by SDS - PAGE

Applications MS. SDS

GENE INFORMATION

Gene Name TES testis derived transcript (3 LIM domain) [Homo sapiens]

Synonyms TES; MGC1146; DKFZp586B2022; TESS; testis derived transcript (3 LIM domains); TESS-2; TESTIN; DKFZP586B2022

Gene ID 26136

mRNA Refseq NM_015641

Protein Refseq NP_056456

MIM 606085

UniProt ID Q9UGI8

Chromosome Location 7q31.2

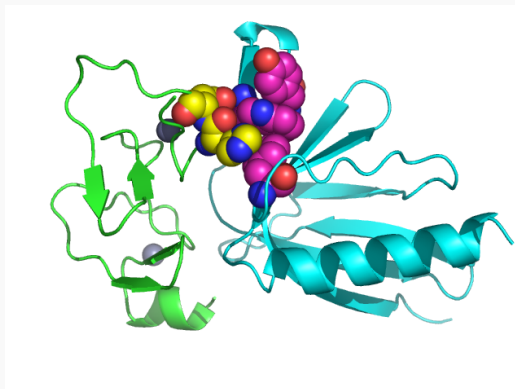
Function Metal ion binding; zinc ion binding

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The 3rd LIM domain of TEM (green) bound to the EVH1 domain of Mena (blue). The EVH1 FPPPP binding site (magenta) is blocked by some residues from TES (yellow). Available structures:2iyb



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