

## Recombinant Human TES, His-tagged

Cat. No. TES-2782H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human TES protein (1-421aa), fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-421 a.a.
<b>Description</b>	TES is a tumor suppressor protein and may play role in cell adhesion, cell spreading and in the reorganization of the actin cytoskeleton. This protein localizes to cell-cell contacts and actin stress fibres, and interacts with a variety of cytoskeletal proteins including Zyxin, Mena, VASP, Talin and Actin. The ability of TES to associate with alpha-actinin, paxillin and Zyxin is dependent on the conformational state of the molecule.
<b>Sequences</b>	<p>MGSSHHHHHH SSGLVPRGSH MDLENKVKKM GLGHEQGFGA PCLKCKEKCE            GFELHFWRKI CRNCKCGQEE HDVLLSNEED RKVGKLFEDT KYTTLIAKLK            SDGIPMYKRN VMILTNPVAA KKNVSINTVT YEWAPPVQNN ALARQYMQML            PKEKQPVAGS EGAQYRKKQL AKQLPAHDQD PSKCHELSPR EVKEMEQQFVK            KYKSEALGVG DVKLPCEMDA QGPKQMNIPG GDRSTPAAVG AMEDKSAEHK            RTQYSCYCCK LSMKEGDP AI YAERAGYDKL WHPACFVCST CHELLVDMIY            FWKNEKLYCG RHYCDSEKPR CAGCDELIFS NEYTAENQN WHLKHFFCCFD            CDSILAGEIY VMVNDKPVCK PCYVKNHAVV CQGCHNAIDP EVQRVTYNNF</p>

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SWHASTECFL CSCCSKCLIG QKFMPVEGMV FCSVECKKRM S.

**Form**

Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol.

**Molecular Weight**

50.1 kDa (441aa), confirmed by MALDI-TOF.

**Purity**

> 90% by SDS – PAGE.

**Concentration**

0.5 mg/ml (determined by Bradford assay).

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name**

[TES testis derived transcript \(3 LIM domains\) \[ Homo sapiens \]](#)

**Synonyms**

TES; testis derived transcript (3 LIM domains); TESS; TESS-2; MGC1146; DKFZp586B2022; testin

**Gene ID**

[26136](#)

**mRNA Refseq**

[NM\\_015641](#)

**Protein Refseq**

[NP\\_056456](#)

**MIM**

[606085](#)

**UniProt ID**

[Q9UGI8](#)

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<b>Chromosome Location</b>	7q31.2
<b>Function</b>	metal ion binding; zinc ion binding

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