

Recombinant Human TES, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	1-421 a.a.
Description	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.
Sequences	MGSSHHHHHH SSGLVPRGSH MDLENKVKKM GLGHEQGFGA PCLKCKEKCE GFELHFWRKI CRNCKCGQEE HDVLLSNEED RKGKLFEDT KYTTLIAKLK SDGIPMYKRN VMILTNPVAA KKNVSINTVT YEWAPPVQNN ALARQYMQML PKEKQPVAGS EGAQYRKKQL AKQLPAHDQD PSKCHELSPR EVKEMEQLFK KYKSEALGVG DVKLPCEMDA QGPKQMNIPG GDRSTPAAVG AMEDKSAEHK RTQYSCYCCK LSMKEGDP AIYAERAGYDKL WHPACFVCST CHELLVDMY FWKNEKLYCG RHYCDSEKPR CAGCDELIFS NEYTQAENQN WLKHFCCFD CDSILAGEIY VMVNDKPVCK PCYVKNHAVV CQGCHNAIDP EVQRVTYNNF

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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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Chromosome Location	7q31.2
Function	metal ion binding; zinc ion binding