

AR09622PU-L

Human Testin / TES (1-421, His-tag) - Purified

Alternate names:

TESS

Quantity:

0.25 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9UGI8](#)

NCBI:

[NP_056456](#)

GeneID:

[26136](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol

Description:

Recombinant human TES protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MDLENKVKKM GLGHEQGFGA PCLKCKEKCE GFELHFWRKI
CRNCKCGQEE HDVLLSNEED RKVGKLFEDT KYTTLIAKLK SDGIPMYKRN VMILTNPVAA
KKNVSINTVT YEWAPPVQNQ ALARQYMQML PKEKQPVAGS EGAQYRKKQL AKQLPAHDQD
PSKCHELSPR EVKEMEQFVK KYKSEALGVG DVKLPCEMDA QGPKQMNIPG GDRSTPAAVG
AMEDKSAEHK RTQYSCYCKK LSMKEGDPAI YAERAGYDKL WHPACFVCST CHELLVDMIY
FWKNEKLYCG RHYCDSEKPR CAGCDELIFS NEYTAENQN WHLKHFFCFD CDSILAGEIY
VMVNDKPVCK PCYVKNHAVV CQGCHNAIDP EVQRTYNNF SWHASTECFL CSCCSKCLIG
QKFMPVEGMV FCSVECKKRM S

Molecular weight: 50.1 kDa (441aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

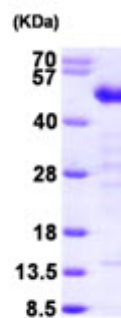
Shelf life: one year from despatch.

General Readings:

Qiu H., et al. (2010) Cancer Sci. 101(5):1255-60.

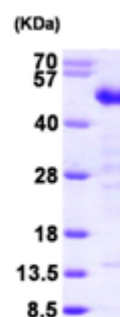
Sato T., et al. (2003) J Biol Chem. 278(48):47534-44.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human TES, 1-421 aa, His-tagged



15% SDS-PAGE (3ug)