
Product Data Sheet

Product Name: TES Human
 Cat. No.: GP24803
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TESS; TESS-2; Testin.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MDLENKVKKM GLGHEQGFGA PCLKCKEKCE GFELHFWRKI CRNCKCGQEE HDVLLSNEED RKVGKLFEDT KYTTLIAKLLK SDGIPMYKRN VMILTNPVAA KKNVSINTVT YEWAPPVQNNQ ALARQYMQML PKEKQPVAGS EGAQYRKKQL AKQLPAHDQD PSKCHELSPR EVKEMEQQFVK KYKSEALGVG DVKLPCEMDA QGPKQMNIPG GDRSTPAAVG AMEDKSAEHLK RTQYSCYCKK LSMKEGDPAL YAERAGYDKL WHPACFVCST CHELLVDMIIY FWKNEKLYCG RHYCDSEKPR CAGCDELIFS NEYTQAENQN WHLKHFFCCFD CDSILAGEIY VMVNDKPVCK PCYVKNHAVV CQGCHNAIDP EVQRVTYNNF SWHASTECFL CSCCSKCLIG QKFMPVEGMV FCSVECKKRM S.		
Formulation	TES 0.5mg/ml protein solution contains 20mM Tris pH-8, 1mM DTT, 0.1M NaCl & 20% glycerol.		

Introduction

TES also called Testin is a tumor suppressor protein which is involved in cell adhesion, cell spreading and in the restructuring of the actin cytoskeleton. TES protein localizes to cell-cell contacts and actin stress fibres, and interacts with a diversity of cytoskeletal proteins such as Zyxin, Mena, VASP, Talin and Actin. The ability of TES to associate with alpha-actinin, paxillin and Zyxin is dependent on the conformational form of the protein.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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TES Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 441 amino acids (1-421 a.a.) and having a molecular mass of 50.1 kDa. The TES protein is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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