

Testin Protein, Human, Recombinant (His)

General Information

Synonyms:	TES;Testin;TESS
Protein Construction:	Met1-Ser421
Species:	Human
Expression Host:	E. coli
Accession:	Q9UGI8
Molecular Weight:	50 KDa (reducing condition)
AA Sequence:	Met1-Ser421

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of PBS, 1 mM DTT, 10% Glycerol, pH 7.5.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Testin belongs to the prickle/espinas/testin family. Testin contains three LIM zinc-binding domains and one PET domain, TES as a scaffold protein that may have a role in cell adhesion, cell spreading and in the reorganization of the actin cytoskeleton. In addition, TES can also as a tumor suppressor, inhibits tumor cell growth, regulate the cell proliferation. TES interacts with many cytoskeletal proteins, such as Zyxin, Mena, Actin, Talin and VASP. The ability of TES to associate with alpha-actin, Zyxin and paxillin is dependent on the conformational state of the molecule.

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