

## Product datasheet for TP322650L

### TESC (NM\_017899) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tescalcin (TESC), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222650 representing NM_017899 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MGAAHSAASEEVRELEGKTFSSDQIEQLHRRFKQLSGDQPTIRKENFNNVPDLELNPIRSKIVRAFFDNR NLRKGPGLADEINFEDFLTMSYFRPIDTTMDEEQVELSRKEKLRFLFHMYSDDSDGRITL E EYRNVVE ELLSGNPHIEKESARSIADGAMMEAASVCMGQMEPDQVYEGITFEDFLKIWQGIDIETKMHVRFNLMETM ALCH  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	24.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_060369</a>
Locus ID:	54997
UniProt ID:	<a href="#">Q96BS2</a>



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RefSeq Size: 1025

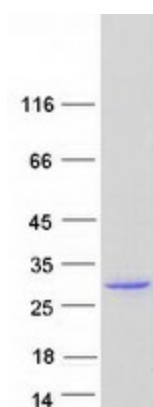
Cytogenetics: 12q24.22

RefSeq ORF: 642

Synonyms: CHP3; TSC

**Summary:** Functions as an integral cofactor in cell pH regulation by controlling plasma membrane-type Na(+)/H(+) exchange activity. Promotes the maturation, transport, cell surface stability and exchange activity of SLC9A1/NHE1 at the plasma membrane. Promotes the induction of hematopoietic stem cell differentiation toward megakaryocytic lineage. Essential for the coupling of ERK cascade activation with the expression of ETS family genes in megakaryocytic differentiation. Also involved in granulocytic differentiation in a ERK-dependent manner. Inhibits the phosphatase activity of calcineurin.[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified TESC protein (Cat# [TP322650]). The protein was produced from HEK293T cells transfected with TESC cDNA clone (Cat# [RC222650]) using MegaTran 2.0 (Cat# [TT210002]).