

## Product datasheet for PH322650

### TESC (NM\_017899) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TESC MS Standard C13 and N15-labeled recombinant protein (NP_060369)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222650
Predicted MW:	24.6 kDa
Protein Sequence:	>RC222650 representing NM_017899 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MGAAHSASEEVRELEGKTFSSDQIEQLHRRFKQLSGDQPTIRKENFNNVPDLELNPIRSKIVRAFFDNR NLRKGPSTGLADEINFEDFLTMSYFRPIDTTMDEEQVELSRKEKLRFLFHMYSDDSDGRITLLEEYRNVVE ELLSGNPHIEKESARSIADGAMMEAASVCMGMEPDQVYEGITFEDFLKIWQGIDIETKMHVRFNLNMETM ALCH  <b>TR</b> TRPLEQ <b>KL</b> ISEEDLAANDILDYKDDDDK <b>V</b>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_060369</a>
RefSeq Size:	1025
RefSeq ORF:	642
Synonyms:	CHP3; TSC
Locus ID:	54997
UniProt ID:	<a href="#">Q96BS2</a>



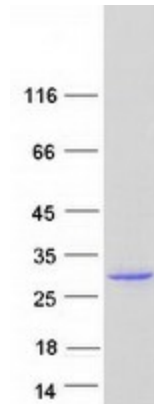
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Cytogenetics: 12q24.22

**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]).