

Product datasheet for TP502345

Tesc (NM_021344) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tescalcin (Tesc), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202345 protein sequence Red =Cloning site Green =Tags(s)
	MGAAHSASEEVRELEGKTFSSDQIEQLHRRFKQLSGDQPTIRKENFNNVPDLELNPIRSKIVRAFFDNR NLRKGSSGLADEINFEDFLTMSYFRPIDTTLGEEQVELSRKEKLFHMYDSDSDGRITLLEEYRNVVE ELLSGNPHIEKESARSIADGAMMEAASVCGQMEPDQVYEGITFEDFLKIWQGIDIETKMHIRFLNMETI ALCH
	TR TRPLE QKLISEEDLAANDILDYKDDDDK KV
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
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 after receiving vials.
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:	NP_067319
Locus ID:	57816
UniProt ID:	Q9JKL5 , D0EM45
RefSeq Size:	942



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Cytogenetics: 5 57.84 cM

RefSeq ORF: 645

Synonyms: 1010001A17Rik; 2410011K10Rik; TE-1

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]