

Recombinant Mouse Tesc Protein, Myc/DDK-tagged

Cat. No. Tesc-6361M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tescalcin (Tesc), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	24.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Tesc tescalcin [Mus musculus (house mouse)]
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Official Symbol	Tesc
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Synonyms	TESC; tescalcin; TSC; CHP3; calcineurin B homologous protein 3; TE-1; 1010001A17Rik; 2410011K10Rik; MGC117906
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Gene ID	57816
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mRNA Refseq	NM_021344
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Protein Refseq	NP_067319
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UniProt ID	Q9JKL5
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