

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

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Tesc tescalcin [Mus musculus (house mouse)]

Official Symbol Tesc

Synonyms TESC; tescalcin; TSC; CHP3; calcineurin B homologous protein 3; TE-1; 1010001A17Rik; 2410011K10Rik; MGC117906

Gene ID 57816

mRNA Refseq NM_021344

Protein Refseq NP_067319

UniProt ID Q9JKL5

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