

Recombinant Mouse Trim33 Protein, Myc/DDK-tagged

Cat. No. Trim33-6654M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tripartite motif-containing 33 (Trim33), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as an E3 ubiquitin-protein ligase. Promotes SMAD4 ubiquitination, nuclear exclusion and degradation via the ubiquitin proteasome pathway. May act as a transcriptional repressor. Inhibits the transcriptional response to TGF-beta/BMP signaling cascade. Plays a role in the control of cell proliferation. Its association with SMAD2 and SMAD3 stimulates erythroid differentiation of hematopoietic stem/progenitor. Monoubiquitinates SMAD4 and acts as an inhibitor of SMAD4-dependent TGF-beta/BMP signaling cascade (Monoubiquitination of SMAD4 hampers its ability to form a stable complex with activated SMAD2/3 resulting in inhibition of TGF-beta/BMP signaling cascade).
Molecular Mass	124.1 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 Trim33 tripartite motif-containing 33 [*Mus musculus* (house mouse)]

Official Symbol Trim33

Synonyms TRIM33; tripartite motif-containing 33; E3 ubiquitin-protein ligase TRIM33; TIF1-gamma; ectodermin homolog; tripartite motif protein 33; tripartite motif-containing protein 33; transcription intermediary factor 1-gamma; Ecto; Tif1g; AI413936; mKIAA1113; ectodermin; 8030451N04Rik; DKFZp586K1123

Gene ID 94093

mRNA Refseq NM_053170

Protein Refseq NP_444400

UniProt ID Q99PP7

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