Recombinant Mouse Wt1 protein

Cat. No. Wt1-15M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Wt1(Thr402-Ser415) was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Thr402-Ser415
Description	This gene encodes a transcription factor that contains four zinc-finger motifs at the C-terminus and a proline/glutamine-rich DNA-binding domain at the N-terminus. It plays an essential role in the normal development of the urogenital system, and the orthologous human gene is mutated in a small subset of patients with Wilm's tumors. Alternative splicing has been noted for this gene, however, the full-length nature of these variants is not known. The mRNA for this gene has been shown to initiate translation from non-AUG (CUG) and AUG translation start sites, resulting in different isoforms.
Form	PBS, pH7.4.
Purity	>90%
Applications	Immunogen; SDS-PAGE.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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	48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Wt1 Wilms tumor 1 homolog [Mus musculus]
Official Symbol	Wt1
Synonyms	WT1; Wilms tumor 1 homolog; Wilms tumor protein homolog; Wilms tumor homolog; Wt-1; D630046I19Rik;
Gene ID	22431
mRNA Refseq	NM_144783
Protein Refseq	NP_659032
Chromosome Location	2 E2-E3; 2 55.06 cM
Pathway	Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
Function	C2H2 zinc finger domain binding; C2H2 zinc finger domain binding; DNA binding; RNA binding; RNA polymerase II core promoter proximal region sequence-specific

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	DNA binding transcription factor activity involved in positive regulation of transcription; double-stranded DNA binding; metal ion binding; nucleic acid binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding; zinc ion binding;

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