

Recombinant Mouse Foxm1 Protein, His-tagged

Cat. No. Foxm1-1522M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Foxm1 Protein (Cys208-Glu460) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Cys208-Glu460
Description	Enables transcription cis-regulatory region binding activity. Involved in DNA damage response, signal transduction by p53 class mediator resulting in transcription of p21 class mediator; positive regulation of double-strand break repair; and positive regulation of transcription, DNA-templated. Acts upstream of or within several processes, including liver development; positive regulation of transcription by RNA polymerase II; and vasculogenesis. Located in nucleus. Is expressed in several structures, including alimentary system; brain; genitourinary system; respiratory system; and sensory organ. Used to study hepatocellular carcinoma; lung cancer; and type 2 diabetes mellitus. Orthologous to human FOXM1 (forkhead box M1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.4 kDa Accurate Molecular Mass: 34 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 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.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Foxm1 forkhead box M1 [Mus musculus (house mouse)]
Official Symbol	Foxm1
Synonyms	FOXM1; forkhead box M1; forkhead box protein M1; trident; forkhead homolog 16; winged-helix transcription factor Trident; WIN; Mpm2; Fkh16; Foxm1b; HFH-11B; AA408308; AW554517; BB238854; MPHOSPH2;
Gene ID	14235
mRNA Refseq	NM_008021
Protein Refseq	NP_032047
UniProt ID	O08696

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