

Recombinant Mouse Foxa2 Protein, His-tagged

Cat. No. Foxa2-1510M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Foxa2 Protein (Met1-Ser459) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Ser459
Description	Enables DNA-binding transcription activator activity, RNA polymerase II-specific; RNA polymerase II cis-regulatory region sequence-specific DNA binding activity; and chromatin binding activity. Involved in several processes, including negative regulation of detection of glucose; negative regulation of glucokinase activity; and regulation of transcription, DNA-templated. Acts upstream of or within several processes, including animal organ development; chordate embryonic development; and regulation of neuron differentiation. Located in nucleus. Part of transcription regulator complex. Is expressed in several structures, including central nervous system; endoderm; genitourinary system; gut; and respiratory system. Human ortholog(s) of this gene implicated in type 2 diabetes mellitus. Orthologous to human FOXA2 (forkhead box A2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 52.2 kDa Accurate Molecular Mass: 53 kDa

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Purity	> 90%
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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Foxa2 forkhead box A2 [Mus musculus (house mouse)]
Official Symbol	Foxa2
Synonyms	FOXA2; forkhead box A2; hepatocyte nuclear factor 3-beta; HNF-3-beta; forkhead box protein A2; hepatocyte nuclear factor-3 beta; hepatocyte nuclear factor 3 beta (winged helix transcription factor); Hnf3b; Tcf3b; Hnf-3b; Tcf-3b; HNF3beta; HNF3-beta;
Gene ID	15376

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mRNA Refseq [NM_010446](#)

Protein Refseq [NP_034576](#)

UniProt ID [P35583](#)



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