

Recombinant Mouse Foxi1 Protein, His-tagged

Cat. No. Foxi1-1520M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Foxi1 Protein (Met1-Asp173) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Asp173
Description	Enables DNA-binding transcription activator activity, RNA polymerase II-specific and RNA polymerase II cis-regulatory region sequence-specific DNA binding activity. Involved in positive regulation of transcription, DNA-templated. Acts upstream of or within inner ear morphogenesis and positive regulation of transcription by RNA polymerase II. Predicted to be located in nucleolus. Is expressed in several structures, including alimentary system; metanephros; nervous system; sensory organ; and skeleton. Used to study Pendred Syndrome. Human ortholog(s) of this gene implicated in autosomal recessive nonsyndromic deafness 4. Orthologous to human FOXI1 (forkhead box I1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.1 kDa Accurate Molecular Mass: 25 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	Foxi1 forkhead box I1 [Mus musculus (house mouse)]
Official Symbol	Foxi1
Synonyms	FOXI1; forkhead box I1; forkhead box protein I1; forkhead homolog 10; HNF-3/forkhead homolog 3; Hfh3; Fkh10; HFH-3; FREAC6; 5830401E05Rik;
Gene ID	14233
mRNA Refseq	NM_023907
Protein Refseq	NP_076396
UniProt ID	Q922I5

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