

Recombinant Mouse Foxj1 Protein, His-tagged

Cat. No. Foxj1-1521M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Foxj1 Protein (Ser168-Leu421) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser168-Leu421
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 several processes, including negative regulation of adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains; negative regulation of lymphocyte activation; and regulation of transcription, DNA-templated. Acts upstream of or within several processes, including animal organ development; establishment of apical/basal cell polarity; and left/right pattern formation. Located in nucleus. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; nose; and respiratory system. Used to study Kartagener syndrome and primary ciliary dyskinesia. Human ortholog(s) of this gene implicated in primary ciliary dyskinesia 43. Orthologous to human FOXJ1 (forkhead box J1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.4 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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	Accurate Molecular Mass: 40 kDa
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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Foxj1 forkhead box J1 [Mus musculus (house mouse)]
Official Symbol	Foxj1
Synonyms	FOXJ1; forkhead box J1; forkhead box protein J1; HNF-3/forkhead homolog 4; forkhead-related protein FKHL13; hepatocyte nuclear factor 3 forkhead homolog 4; Hfh4; HFH-4; FKHL-13;
Gene ID	15223
mRNA Refseq	NM_008240

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Protein Refseq	NP_032266
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UniProt ID	Q61660
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