

Recombinant Mouse Foxe1 Protein, His-tagged

Cat. No. Foxe1-1516M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Foxe1 Protein (Asn127-Met371) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn127-Met371
Description	Predicted to enable DNA-binding transcription factor activity, RNA polymerase II-specific and RNA polymerase II cis-regulatory region sequence-specific DNA binding activity. Involved in cranial skeletal system development. Acts upstream of or within several processes, including animal organ development; roof of mouth development; and thyroid hormone generation. Predicted to be located in nucleus. Is expressed in several structures, including alimentary system; brain; branchial pouch endoderm; head surface ectoderm; and outflow tract. Used to study Bamforth-Lazarus syndrome and congenital hypothyroidism. Human ortholog(s) of this gene implicated in Bamforth-Lazarus syndrome and thyroid gland papillary carcinoma. Orthologous to human FOXE1 (forkhead box E1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.7 kDa Accurate Molecular Mass: 25 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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Foxe1 forkhead box E1 [Mus musculus (house mouse)]
Official Symbol	Foxe1
Synonyms	FOXE1; forkhead box E1; forkhead box protein E1; TTF-2; thyroid transcription factor 2; Titf2;
Gene ID	110805
mRNA Refseq	NM_183298
Protein Refseq	NP_899121

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UniProt ID

Q8R2I0

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