

Recombinant Mouse Foxe3 Protein, His-tagged

Cat. No. Foxe3-1517M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Foxe3 Protein (Asn110-Leu288) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn110-Leu288
Description	Enables sequence-specific DNA binding activity. Involved in camera-type eye development; negative regulation of lens fiber cell differentiation; and positive regulation of lens epithelial cell proliferation. Acts upstream of or within camera-type eye development; cell development; and positive regulation of epithelial cell proliferation. Located in nucleus. Is expressed in several structures, including alimentary system; central nervous system; embryo ectoderm; eye; and heart. Used to study congenital aphakia. Human ortholog(s) of this gene implicated in anterior segment dysgenesis; anterior segment dysgenesis 2; cataract 34 multiple types; and thoracic aortic aneurysm. Orthologous to human FOXE3 (forkhead box E3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.4 kDa Accurate Molecular Mass: 22 kDa
Purity	> 97%

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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	Foxe3 forkhead box E3 [Mus musculus (house mouse)]
Official Symbol	Foxe3
Synonyms	FOXE3; forkhead box E3; forkhead box protein E3; dysgenetic lens; Rinshoken cataract; dyl; rct; FREAC8;
Gene ID	30923
mRNA Refseq	NM_015758
Protein Refseq	NP_056573
UniProt ID	Q9QY14

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