

Recombinant Mouse Gata5 Protein, His-tagged

Cat. No. Gata5-1567M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gata5 Protein (Met1-Leu401) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Leu401
Description	Enables DNA-binding transcription factor activity, RNA polymerase II-specific and RNA polymerase II cis-regulatory region sequence-specific DNA binding activity. Involved in several processes, including heart development; positive regulation of Notch signaling pathway involved in heart induction; and regulation of gene expression. Acts upstream of or within cellular response to BMP stimulus and positive regulation of transcription, DNA-templated. Located in chromatin. Is expressed in several structures, including branchial arch; genitourinary system; gut; heart; and respiratory system. Used to study essential hypertension. Orthologous to human GATA5 (GATA binding protein 5).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 45.6 kDa Accurate Molecular Mass: 55 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	Gata5 GATA binding protein 5 [Mus musculus (house mouse)]
Official Symbol	Gata5
Synonyms	GATA5; GATA binding protein 5; transcription factor GATA-5; GATA-binding factor 5; GATA-binding protein 5; Transcription factor GATA-5 (GATA binding factor-5);
Gene ID	14464
mRNA Refseq	NM_008093
Protein Refseq	NP_032119
UniProt ID	P97489

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