Recombinant Rat Gata5 Protein, His-tagged

Cat. No. Gata5-1568R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gata5 Protein (Met1-Ala397) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Ala397
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. Predicted to be involved in several processes, including heart development; positive regulation of Notch signaling pathway involved in heart induction; and regulation of gene expression. Predicted to act upstream of or within cellular response to BMP stimulus; intestinal epithelial cell differentiation; and positive regulation of transcription, DNA-templated. Predicted to be located in chromatin and nucleus. Orthologous to human GATA5 (GATA binding protein 5).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 45.1 kDa Accurate Molecular Mass: 54 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 [Rattus norvegicus (Norway rat)]
Official Symbol	Gata5
Synonyms	GATA5; GATA-binding protein 5;
Gene ID	499951
mRNA Refseq	NM_001024316
Protein Refseq	NP_001019487
UniProt ID	Q5U2V0

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