

Recombinant Human GATA3 Protein, His-tagged

Cat. No. GATA3-2194H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GATA3 Protein (Tyr229-Gly444) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Tyr229-Gly444
Description	This gene encodes a protein which belongs to the GATA family of transcription factors. The protein contains two GATA-type zinc fingers and is an important regulator of T-cell development and plays an important role in endothelial cell biology. Defects in this gene are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.2 kDa Accurate Molecular Mass: 31 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 100mM NaHCO ₃ , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	GATA3 GATA binding protein 3 [Homo sapiens (human)]
Official Symbol	GATA3
Synonyms	GATA3; GATA binding protein 3; trans-acting T-cell-specific transcription factor GATA-3; HDR; GATA-binding factor 3; HDRS; MGC2346; MGC5199; MGC5445;
Gene ID	2625
mRNA Refseq	NM_001002295
Protein Refseq	NP_001002295
MIM	131320

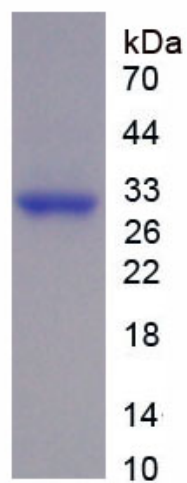
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