

Recombinant Human GATA3

Cat. No. GATA3-28477TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 103-200 of Human GATA3 with a proprietary tag; Predicted MWt 36.41 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	98 amino acids
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.
Molecular Weight	36.410kDa
Tissue specificity	T-cells and endothelial cells.
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: glutathione is reduced
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	LGSHHTASPWNLSPFKTSIHGSPGPLSVYPPASSSSLSGGHASPFLTFPPTPPK DVSPDPSLSTPGSAGSARQDEKECLKYQVPLPDSMKLESSH
Sequence Similarities	Contains 2 GATA-type zinc fingers.

GENE INFORMATION

Gene Name	GATA3 GATA binding protein 3 [Homo sapiens]
Official Symbol	GATA3
Synonyms	GATA3; GATA binding protein 3; trans-acting T-cell-specific transcription factor GATA-3; HDR;
Gene ID	2625
mRNA Refseq	NM_001002295
Protein Refseq	NP_001002295
MIM	131320
Uniprot ID	P23771
Chromosome Location	10p15

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Pathway

Adipogenesis, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem;

Function

DNA binding; E-box binding; HMG box domain binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; core promoter proximal region sequence-specif;

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