

## Recombinant Human GATA3

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

### SPECIFICATION

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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">GATA3 GATA binding protein 3 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">GATA3</a>
<b>Synonyms</b>	GATA3; GATA binding protein 3; trans-acting T-cell-specific transcription factor GATA-3; HDR;
<b>Gene ID</b>	<a href="#">2625</a>
<b>mRNA Refseq</b>	<a href="#">NM_001002295</a>
<b>Protein Refseq</b>	<a href="#">NP_001002295</a>
<b>MIM</b>	<a href="#">131320</a>
<b>Uniprot ID</b>	<a href="#">P23771</a>
<b>Chromosome Location</b>	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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