

## Recombinant Human GATA4

**Cat. No.** GATA4-28985TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment corresponding to amino acids 343-442 of Human GATA4 with a proprietary tag; Predicted MWt 36.63 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	100 amino acids
<b>Description</b>	This gene encodes a member of the GATA family of zinc-finger transcription factors. Members of this family recognize the GATA motif which is present in the promoters of many genes. This protein is thought to regulate genes involved in embryogenesis and in myocardial differentiation and function. Mutations in this gene have been associated with cardiac septal defects.
<b>Molecular Weight</b>	36.630kDa
<b>Biological activity</b>	useful for Antibody Production and Protein Array
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione

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<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	ASGASSNSSNATTSSSEEMRPIKTEPGLSSHYGHSSSVSQTFVSAMSGHGPSIHP VLSALKLSPQGYASPVSQSPQTSSKQDSWNSLVLADSHGDIITA
<b>Sequence Similarities</b>	Contains 2 GATA-type zinc fingers.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">GATA4 GATA binding protein 4 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">GATA4</a>
<b>Synonyms</b>	GATA4; GATA binding protein 4; transcription factor GATA-4;
<b>Gene ID</b>	<a href="#">2626</a>
<b>mRNA Refseq</b>	<a href="#">NM_002052</a>
<b>Protein Refseq</b>	<a href="#">NP_002043</a>
<b>MIM</b>	<a href="#">600576</a>
<b>Uniprot ID</b>	<a href="#">P43694</a>
<b>Chromosome Location</b>	8p23.1-p22
<b>Pathway</b>	Adipogenesis, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Heart

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Development, organism-specific biosystem; Hemostasis, organism-specific biosystem; Incretin Synthesis, Secretion, and Inactivation, organism-specific biosystem;

**Function**

DNA binding; activating transcription factor binding; metal ion binding; protein binding; sequence-specific DNA binding;

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