

## Active Recombinant Human GATA4 Protein, Myc/DDK-tagged

Cat. No. GATA4-580H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant protein of human GATA binding protein 4 (GATA4) with C-Myc/DDK tag was expressed in HEK293T.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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, and is necessary for normal testicular development. Mutations in this gene have been associated with cardiac septal defects. Additionally, alterations in gene expression have been associated with several cancer types. Alternative splicing results in multiple transcript variants.
<b>Bio-activity</b>	GATA4 Activity Verified in a DNA-binding Assay: Comparison of GATA4 binding to consensus and mutant oligos shows sensitivity of protein binding to the DNA sequence used.
<b>Molecular Mass</b>	44.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

## GENE INFORMATION

**Gene Name** GATA4 GATA binding protein 4 [ Homo sapiens (human) ]

**Official Symbol** GATA4

**Synonyms** GATA4; GATA binding protein 4; TOF; ASD2; VSD1; TACHD; transcription factor GATA-4; GATA-binding factor 4

**Gene ID** 2626

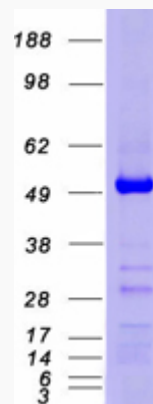
**mRNA Refseq** NM\_002052

**Protein Refseq** NP\_002043

**MIM** 600576

**UniProt ID** P43694

## SDS-PAGE



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