

Active Recombinant Human GATA4 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Recombinant protein of human GATA binding protein 4 (GATA4) with C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	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.
Bio-activity	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.
Molecular Mass	44.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>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

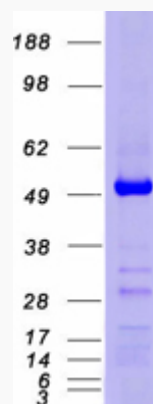
mRNA Refseq NM_002052

Protein Refseq NP_002043

MIM 600576

UniProt ID P43694

SDS-PAGE



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