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Datasheet for ABIN2721732

## GATA4 Protein (Myc-DYKDDDDK Tag)

### 1 Image

#### Overview

Quantity:	20 µg
Target:	GATA4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GATA4 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Functional Studies (Func), Protein Interaction (PI), Standard (STD)

#### Product Details

Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	<ul style="list-style-type: none"><li>• Recombinant human GATA4 protein expressed in HEK293 cells.</li><li>• Produced with end-sequenced ORF clone</li><li>• Tested for bioactivity.</li></ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Biological Activity Comment:	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.

#### Target Details

Target:	GATA4
Alternative Name:	Gata4 ( <a href="#">GATA4 Products</a> )

## Target Details

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**Background:** 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.

**Molecular Weight:** 44.4 kDa

**NCBI Accession:** [NP\\_002043](#)

**Pathways:** [Peptide Hormone Metabolism](#), [Carbohydrate Homeostasis](#)

## Application Details

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**Application Notes:** Recombinant human proteins can be used for:  
Native antigens for optimized antibody production  
Positive controls in ELISA and other antibody assays  
Protein-protein interaction  
In vitro biochemical assays and cell-based functional assays

**Comment:** The tag is located at the C-terminal.

**Restrictions:** For Research Use only

## Handling

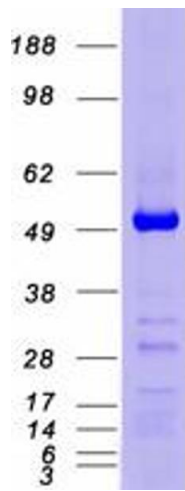
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**Concentration:** > 50 µg/mL

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

**Storage:** -80 °C

**Storage Comment:** Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



### Western Blotting

**Image 1.** Validation with Western Blot