

Datasheet for ABIN7562984  
**GATA3 Protein (AA 1-443) (His tag)**



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## Overview

Quantity:	1 mg
Target:	GATA3
Protein Characteristics:	AA 1-443
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GATA3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Gata3 Protein expressed in mammalian cells.
Sequence:	MEVTADQPRW VSHHHPAVLN GQHPDTHHPG LGHSYMEAQY PLTEEVDVLF NIDGQGNHVP SYYGNSVRAT VQRYPPTHHG SQVCRPPLLH GSLPWLDDGGK ALSSHHTASP WNLSPFKSKTS IHHGSPGELS VYPPASSSSL AAGHSSPHLF TFPPTPKDV SPDPSLSTPG SAGSARQDEK ECLKYQVQLP DSMKLETSHS RGSMTTLGGA SSSAHPITT YPPYVPEYSS GLFPPSSLLG GSPTGFGCKS RPKARSSTEG RECVCNCGATS TPLWRRDGTG HYLCNACGLY HKMNGQNRPL IKPKRRLSAA RRAGTSCANC QTTTTTLWRR NANGDPVCNA CGLYYKLHNI NRPLTMKKEG IQTRNRKMSS KSKKCKKVHD ALEDFPKSSS FNPAALSRHM SSLSHISPFS HSSHMLTTPT PMHPPSGLSF GPHHPSSMVT AMG <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## Product Details

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

GATA3

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### Alternative Name:

Gata3 ([GATA3 Products](#))

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### Background:

Trans-acting T-cell-specific transcription factor GATA-3 (GATA-binding factor 3),FUNCTION: Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'. Required for the T-helper 2 (Th2) differentiation process following immune and inflammatory responses. Positively regulates ASB2 expression (PubMed:31175139). Coordinates macrophage transcriptional activation and UCP2-dependent metabolic reprogramming in response to IL33. Upon tissue injury, acts downstream of IL33 signaling to drive differentiation of inflammation-resolving alternatively activated macrophages. {ECO:0000269|PubMed:17056504, ECO:0000269|PubMed:31175139, ECO:0000269|PubMed:34644537}.

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### Molecular Weight:

48.0 kDa

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### UniProt:

[P23772](#)

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### Pathways:

[Hormone Transport, Regulation of Hormone Metabolic Process, Tube Formation](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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