

Datasheet for ABIN7547803

GATA1 Protein (AA 1-413) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	GATA1
Protein Characteristics:	AA 1-413
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GATA1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GATA1 Protein expressed in mammalian cells.
Sequence:	MEFPGLGSLG TSEPLPQFVD PALVSSTPES GVFFPSGPEG LDAAASSTAP STATAAAAAAL AAYRDAEAYR HSPVFQVYPL LNCMEGIPGG SPYAGWAYGK TGLYPASTVC PTREDSPPQA VEDLDGKGST SFLETLKTER LSPDLLTLGP ALPSSLPVFN SAYGGPDFSS TFFSPTGSPL NSAAYSSPKL RGTLPPLPCE ARECVNCGAT ATPLWRRDRT GHYLCNACGL YHKMNGQNRP LIRPKRLIV SKRAGTQCTN CQTTTTTLWR RNASGDPVCN AGLYYKLHQ VNRPLTMRKD GIQTRNRKAS GKGKKKRGSS LGGTGAEEGP AGGFMVVAGG SGSGNCGEVA SGLTLGPPGT AHL YQGLGPV VLSGPVSHLM PFPGPLLGSP TGSFPTGPMP PTTSTTVVAP LSS 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.
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

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.

Purity:

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

Grade:

custom-made

Target Details

Target:

GATA1

Alternative Name:

GATA1 ([GATA1 Products](#))

Background:

Erythroid transcription factor (Eryf1) (GATA-binding factor 1) (GATA-1) (GF-1) (NF-E1 DNA-binding protein),FUNCTION: Transcriptional activator or repressor which serves as a general switch factor for erythroid development (PubMed:35030251). It binds to DNA sites with the consensus sequence 5'-[AT]GATA[AG]-3' within regulatory regions of globin genes and of other genes expressed in erythroid cells. Activates the transcription of genes involved in erythroid differentiation of K562 erythroleukemia cells, including HBB, HBG1/2, ALAS2 and HMBS (PubMed:24245781). {ECO:0000269|PubMed:22235304, ECO:0000269|PubMed:24245781, ECO:0000269|PubMed:35030251}.

Molecular Weight:

42.8 kDa

UniProt:

[P15976](#)

Pathways:

[Cellular Response to Molecule of Bacterial Origin](#)

Application Details

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.

Restrictions: For Research Use only

Handling

Format: Liquid

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
