

Datasheet for ABIN7553975
GATA6 Protein (AA 1-595) (His tag)



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Overview

Quantity:	1 mg
Target:	GATA6
Protein Characteristics:	AA 1-595
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GATA6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat GATA6 Protein expressed in mammalian cells.
Sequence:	<p>MALTDGGWCL PKRFGAAGAD ASDSRAFPAR EPSTPPSPIS SSSSSCSRGG ERGPGGASNC GTPQLDTEAA AGPPARSLLL SSYASHPFGA PHGPSAPGVA GPGGNLSSWE DLLLFTDLQ AATASKLLWS SRGAKLSPFA PEQPEEMYQT LAALSSQGPA AYDGAPGGFV HSAAAAAAAAA AAASSPVYVP TTRVGSMLPG LPYHLQSGSGS GPANHAGGAG AHPGWPQASA DSPPYGSGGG AAGGGAAGPG GAGSAAAHVS ARFPYSPSP MANGAAREPG GYAAAGSGGA GGVSGGGSSL AAMGGREPQY SLSAARPLN GTYHHHHHHH HHHHSPSPY VGAPLTPAWP AGPFETPVLH SLQSRAGAPL PVPRGPSADL LEDLSESREC VNCGSIQTPL WRRDGTGHYL CNACGLYSKM NGLSRPLIKP QKRVPSRRL GLSCANCHTT TTTLWRRNAE GEPVCNACGL YMKLHGVRP LAMKKEGIQT RKRKPKNINK SKTCGNSNN SIPMTPTSTS SNSDDCSKNT SPTTQPTASG AGAPVMTGAG ESTNPENSEL KYSGQDGLYI GVSLASPAEV TSSVRPDSWC ALALA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression</p>

system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

GATA6

Alternative Name:

GATA6 ([GATA6 Products](#))

Background:

Transcription factor GATA-6 (GATA-binding factor 6),FUNCTION: Transcriptional activator (PubMed:19666519, PubMed:27756709, PubMed:22750565, PubMed:22824924). Regulates SEMA3C and PLXNA2 (PubMed:19666519). Involved in gene regulation specifically in the gastric epithelium (PubMed:9315713). May regulate genes that protect epithelial cells from bacterial infection (PubMed:16968778). Involved in bone morphogenetic protein (BMP)-mediated cardiac-specific gene expression (By similarity). Binds to BMP response element (BMPRE) DNA sequences within cardiac activating regions (By similarity). In human skin, controls several physiological processes contributing to homeostasis of the upper pilosebaceous unit. Triggers ductal and sebaceous differentiation as well as limits cell proliferation and lipid production to prevent hyperseborrhoea. Mediates the effects of retinoic acid on sebocyte proliferation, differentiation and lipid production. Also contributes to immune

Target Details

regulation of sebocytes and antimicrobial responses by modulating the expression of anti-inflammatory genes such as IL10 and pro-inflammatory genes such as IL6, TLR2, TLR4, and IFNG. Activates TGFB1 signaling which controls the interfollicular epidermis fate (PubMed:33082341). {ECO:0000250|UniProtKB:Q61169, ECO:0000269|PubMed:16968778, ECO:0000269|PubMed:19666519, ECO:0000269|PubMed:22750565, ECO:0000269|PubMed:22824924, ECO:0000269|PubMed:27756709, ECO:0000269|PubMed:33082341, ECO:0000269|PubMed:9315713}.

Molecular Weight: 60.0 kDa

UniProt: [Q92908](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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