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Datasheet for ABIN7563905

GATA6 Protein (AA 1-589) (His tag)

Overview

Quantity:	1 mg
Target:	GATA6
Protein Characteristics:	AA 1-589
Origin:	Mouse
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 mammalien cells.
Sequence:	MALTDGGWCL PKRFGAAAAD AGDSGPFPPAR EPSSPLSPIS SSSSSCSRGG DRGPCGASNC RTPQLDAEAV AGPPGRSLLL SPYASHPFAA AHGAAAPGVA GPGSALSTWE DLLLFTDLQ AATASKLLWS SRGAKLSPFA AEQPEEMYQT LAALSSQGPA AYDGAPGGFV HSAAAAAAAAA AAASSPVYVP TTRVGSMLSG LPYLQGAGSG PSNHAGGAGA HPGWSQASAD SPPYGGGGAA GGGAAGPGGA GSATAHASAR FPYSPSPMA NGAARDPGGY VAAGGTGAGS VSGGGGSLAA MGGREHQYSS LSAARPLNGT YHHHHHHHPT YSPYMAAPLT PAWPAGPFET PVLHSLQGRA GAPLPVPRGP STDLLEDLSE SRECVNCGSI QTPLWRRDGT GHYLCNACGL YSKMNGLSRP LIKPQKRVPs SRRLGLSCAN CHTTTTTLWR RNAEGEPVCN AGLYMKLHG VPRPLAMKKE GIQTRKRKPK NINKSKACSG NSSGSVPMTP TSSSSNSDDC TKNTSPSTQA TTSGVGASVM SAVGENANPE NSDLKYSQD GLYIGVSLSS PAEVTSSVRQ DSWCALALA 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.

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 that regulates SEMA3C and PLXNA2 (PubMed:19666519). May regulate genes that protect epithelial cells from bacterial infection (By similarity). Involved in gene regulation specifically in the gastric epithelium (By similarity). Involved in bone morphogenetic protein (BMP)-mediated cardiac-specific gene expression (PubMed:15329343). Binds to BMP response element (BMPRE) DNA sequences within cardiac activating regions (PubMed:15329343). {ECO:0000250|UniProtKB:Q92908, ECO:0000269|PubMed:15329343, ECO:0000269|PubMed:19666519}.

Molecular Weight:

59.3 kDa

UniProt:

[Q61169](#)

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
