

Datasheet for ABIN7547952

## GATA5 Protein (AA 1-397) (His tag)



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### Overview

Quantity:	1 mg
Target:	GATA5
Protein Characteristics:	AA 1-397
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GATA5 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant GATA5 Protein expressed in mammalian cells.
Sequence:	<p>MYQSLALAAS PRQAAYADSG SFLHAPGAGS PMFVPPARVP SMLSYSLSGCE PSPQPPELAA  RPGWAQTATA DSSAFGPGSP HPPAAHPPGA TAFPFAHSPS GPGSGGSAGG RDGSAYQGAL  LPREQFAAPL GRPVGTSYSA TYPAYVSPDV AQSWTAGPFD GSVLHGLPGR RPTFVSDFLE  EFPGEGRECV NCGALSTPLW RRDGTGHYLC NACGLYHKMN GVNRLVLRPQ KRLSSSRRAG  LCCTNCHTTN TTLWRRNSEG EPVCNACGLY MKLHGVPRL AMKKESIQTR KRKPKTIAKA  RGSSGSTRNA SASPSAVAST DSSAATSKAK PSLASPVCPG PSMAPQASGQ EDDSLAPGHL  EFKFEPEFDA FPSTAPSPQA GLRGALRQEA WCALALA</p> <p><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></p>
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:	<div>Key Benefits:</div> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	GATA5
Alternative Name:	GATA5 ( <a href="#">GATA5 Products</a> )
Background:	<p>Transcription factor GATA-5 (GATA-binding factor 5),FUNCTION: Transcription factor required during cardiovascular development (PubMed:23289003). Plays an important role in the transcriptional program(s) that underlies smooth muscle cell diversity (By similarity). Binds to the functionally important CEF-1 nuclear protein binding site in the cardiac-specific slow/cardiac troponin C transcriptional enhancer (PubMed:25543888).</p> <p>{ECO:0000250 UniProtKB:P97489, ECO:0000269 PubMed:23289003, ECO:0000269 PubMed:25543888}.</p>
Molecular Weight:	41.3 kDa
UniProt:	<a href="#">Q9BWX5</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

	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