

Datasheet for ABIN7550612  
**GATAD2B Protein (AA 1-593) (His tag)**



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## Overview

Quantity:	1 mg
Target:	GATAD2B
Protein Characteristics:	AA 1-593
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GATAD2B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat GATAD2B Protein expressed in mammalian cells.
Sequence:	MDRMTEDALR LNLLKRSLDP ADERDDVLAK RLKMEGHEAM ERLKMLALLK RKDLANLEVP HELPTKQDGS GVKGYEEKLN GNLRPHGDNR TAGRPGKENI NDEPVDMSAR RSEPERGRLT PSPDIIVLSD NEASSPRSSS RMEERLKAAN LEMFKGKGIE ERQQLIKQLR DELRLEEALR VLLKKLRQSQ LQKENVVQKT PVVQNAASIV QPSPAHVGQQ GLSKLPSRPG AQGVPEQNLR TLQGHSVIRS ATNTTLPHML MSQRVIAPNP AQLQGQRGPP KPGLVRTTTP NMNPAINYQP QSSSSVPCQR TTSSAIYMNL ASHIQPGTVN RVSSPLPSPS AMTDAANSQA AAKLALRKQL EKTLLI PPP KPPAPLLHFL PSAANSEFIY MVGLEEVQS VIDSQ GKSCA SLLRVEPFVC AQCRTDFTPH WKQEKNGKIL CEQCMTSNQK KALKAEHTNR LKNAFVKALQ QEQEIEQRLQ QQAALSPTTA PAVSSVSKQE TIMRHHTLRQ APQPQSSLQR GIPTSARSML SNFAQAPQLS VPGLLGMPG VNIAYLNTGI GGHKGPLAD RQREYLLDMI PPRSISQ SIS GQK <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a</b>

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

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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, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

GATAD2B

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### Alternative Name:

GATAD2B ([GATAD2B Products](#))

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### Background:

Transcriptional repressor p66-beta (GATA zinc finger domain-containing protein 2B) (p66/p68),FUNCTION: Transcriptional repressor (PubMed:12183469, PubMed:16415179). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed:16428440, PubMed:28977666). Enhances MBD2-mediated repression (PubMed:12183469, PubMed:16415179). Efficient repression requires the presence of GATAD2A (PubMed:16415179). Targets MBD3 to discrete loci in the nucleus (PubMed:11756549). May play a role in synapse development (PubMed:23644463). {ECO:0000269|PubMed:11756549, ECO:0000269|PubMed:12183469, ECO:0000269|PubMed:16415179, ECO:0000269|PubMed:16428440, ECO:0000269|PubMed:23644463, ECO:0000269|PubMed:28977666}.

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### Molecular Weight:

65.3 kDa

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## Target Details

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UniProt: [Q8WXI9](#)

## Application Details

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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

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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