

Datasheet for ABIN7545351  
**ZNF683 Protein (AA 1-524) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ZNF683
Protein Characteristics:	AA 1-524
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZNF683 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ZNF683 Protein expressed in mammalian cells.
Sequence:	<p>MKEESAAQLG CCHRPALGG TGGSLSPSLD FQLFRGDQVF SACRPLPDMV DAHGPSCASW LCPLPLAPGR SALLACLQDL DLNLCTPQPA PLGTDLQGLQ EDALSMKHEP PGLQASSTDD KKFTVKYPQN KDKLGKQPER AGEGAPCPAF SSHNSSSPPP LQNRKSPSPL AFCPCPPVNS ISKELPFLH AFYPGYPLLL PPPHLFTYGA LPSDQCPHLL MLPQDPSYPT MAMPSLLMMV NELGHPSARW ETLLPYPGAF QASGQALPSQ ARNPGAGAAP TDSPGLERGG MASPAKRVPL SSQTGTAALP YPLKKKNGKI LYECNICGKS FGQLSNLKVH LRVHSGERPF QCALCQKSFT QLAHLQKHHL VHTGERPHKC SIPWVPGRNH WKSFQAWRER EVCHKRFSSS SNLKTHLRLH SGARPFQCSV CRSRFTQHIH LKLHHRHLHAP QPCGLVHTQL PLASLACLAQ WHQGALDLMA VASEKHMGYD IDEVKVSSTS QGKARAVSLS SAGTPLVMGQ DQNN <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>

## Product Details

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**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.

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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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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**Grade:** custom-made

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## Target Details

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**Target:** ZNF683

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**Alternative Name:** ZNF683 ([ZNF683 Products](#))

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**Background:** Tissue-resident T-cell transcription regulator protein ZNF683 (Homolog of Blimp-1 in T-cell) (Hobit) (Zinc finger protein 683),FUNCTION: Transcription factor that mediates a transcriptional program in various innate and adaptive immune tissue-resident lymphocyte T-cell types such as tissue-resident memory T (T<sub>rm</sub>), natural killer (trNK) and natural killer T (NKT) cells and negatively regulates gene expression of proteins that promote the egress of tissue-resident T-cell populations from non-lymphoid organs. Plays a role in the development, retention and long-term establishment of adaptive and innate tissue-resident lymphocyte T cell types in non-lymphoid organs, such as the skin and gut, but also in other nonbarrier tissues like liver and kidney, and therefore may provide immediate immunological protection against reactivating infections or viral reinfection. Also plays a role in the differentiation of both thymic and peripheral NKT cells. Negatively regulates the accumulation of interferon-gamma (IFN-gamma)

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## Target Details

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in NKT cells at steady state or after antigenic stimulation. Positively regulates granzyme B production in NKT cells after innate stimulation. Associates with the transcriptional repressor PRDM1/BLIMP1 to chromatin at gene promoter regions. {ECO:0000250|UniProtKB:I7HJS4}, FUNCTION: [Isoform 1]: Lacks transcriptional repressor activity. Binds to DNA within promoter regions of the transcriptional repressor PRDM1/BLIMP1 target sites. Unable to regulate interferon-gamma (IFN-gamma) production in cytomegalovirus (CMV)-infected effector CD8(+) T-cells. {ECO:0000269|PubMed:26179882}, FUNCTION: [Isoform 2]: Transcriptional repressor that binds to DNA within promoter regions of the transcriptional repressor PRDM1/BLIMP1 target sites. Regulates interferon-gamma (IFN-gamma) production in cytomegalovirus (CMV)-infected effector CD8(+) T cells. {ECO:0000269|PubMed:26179882}.

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Molecular Weight: 56.9 kDa

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UniProt: [Q8IZ20](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months