

Datasheet for ABIN7564745  
**GLIS2 Protein (AA 1-521) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	GLIS2
Protein Characteristics:	AA 1-521
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLIS2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Glis2 Protein expressed in mammalian cells.
Sequence:	MHSLDEPLDL KLSITKLRAA REKRERTLGV VRHHALHREL GLVDDSPAPG SPGSPPPGFL LNPKEPEKVD GRFSAAPLVD LSLSPPSGLD SPNGSSSLSP ECQNGDLPP LPTAVDFQPL RYLDGVPSSF QFFLPLGSGG ALHLPASSFL PPPKDKCLSP ELPLAKQLVC RWAKCNQLFE LLQDLVDHVN DHHVKPEQDA RYCCHWEGCA RHGRGFNARY KMLIHIRTHT NEKPHRCPTC NKSFSRLENL KIHNRSHTE KPYVCPYEGC NKRYSNSSDR FKHTRTHYVD KPYECKMPGC HKRYTDPSSL RKHIKAHGHE VSHEQQELLQ LRPPPKPPLP TPDSGSYVSG AQIIIPNAAA LFGGPSLPGL PLPLPPGPLD LSALACNGGG GGGGGIGPGL PGSVLPLNLA KNPLLPSPFG AGGLGLPVVS LLGGSAGSKA EGEKGRGSVP ARVLGLEDHK TPLERTERSR SRPSDGLPL LPGTVLDLST GNSAASSPEV LTPGWVIPP GSVLLKPAVV N <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>

## 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:** GLIS2

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**Alternative Name:** Glis2 ([GLIS2 Products](#))

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**Background:** Zinc finger protein GLIS2 (GLI-similar 2) (Neuronal Krueppel-like protein) (Zinc finger protein GLI5),FUNCTION: Can act either as a transcriptional repressor or as a transcriptional activator, depending on the cell context. Acts as a repressor of the Hedgehog signaling pathway. Represses the Hedgehog-dependent expression of Wnt4. Necessary to maintain the differentiated epithelial phenotype in renal cells through the inhibition of SNAI1, which itself induces the epithelial-to-mesenchymal transition. Represses transcriptional activation by CTNNB1 in the Wnt signaling pathway. May act by recruiting the corepressors CTBP1 and HDAC3. May be involved in neuron differentiation. {ECO:0000269|PubMed:11262234, ECO:0000269|PubMed:11741991, ECO:0000269|PubMed:16326862, ECO:0000269|PubMed:17289029, ECO:0000269|PubMed:17344476, ECO:0000269|PubMed:21816948}.

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## Target Details

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Molecular Weight: 55.8 kDa

UniProt: [Q8VDL9](#)

## 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.

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