

Datasheet for ABIN7545711  
**ZYG11B Protein (AA 1-744) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ZYG11B
Protein Characteristics:	AA 1-744
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZYG11B protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ZYG11B Protein expressed in mammalian cells.
Sequence:	MPEDQAGAAM EEASPYSLLD ICLNFLTTHL EKFC SARQDG TLCLQEPGVF PQEVADRLLR TMAFHGLLND GTVGIFRGNQ MRLKRACIRK AKISAVAFRK AFCHHKLVLEL DATGVNADIT ITDIISGLGS NKWIIQQNLQC LVLNSLTLSL EDPYERCF SR LSGLRALSIT NVLFYNEDLA EVASLPRLES LDISNTSITD ITALLACKDR LKSLTMHHLK CLKMTTTTQIL DVVRELKHLN HLDISDDKQF TSDIALRLEL QKDILPNLVS LDVSGRKHVT DKAVEAFIQQ RPSMQFVGLL ATDAGYSEFL TGEHGLKVSG EANETQIAEA LKRYSERAFF VREALFHLFS LTHVMEKTKP EILKLVVTGM RNHPMNL PVQ LAASACVFNL TKQDLAAGMP VRLADVTHL LLKAMEHFPN HQQKQKNCLL SLCSDRILQD VPFNRFEAAK LVMQWLCNHE DQNMQRMAVA IISILAAKLS TEQTAQLGTE LFIVRQLLQI VKQKTNQNSV DTTLKFTLSA LWNLDESPT TCRHFIEHQG LELFMRVLES FPTESSIQK VLGLLNNAIE VQELHSELMW KDFIDHISSL LHSVEVEVSY FAAGIIAHLI SRGEQAWTLS RSQRNSLLDD LHSAILKWPT PECMVAYRS FNPFFPLGCG FTTPGVQLWA VWAMQHVCSK NPSRYCSMLI EEGGLQHLYN IKDHEHTDPH VQQIAVAILD

## Product Details

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SLEKHIVRHG RPPPCKKQPQ ARLN **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.**

**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.

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

**Grade:** custom-made

## Target Details

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**Target:** ZYG11B

**Alternative Name:** ZYG11B ([ZYG11B Products](#))

**Background:** Protein zyg-11 homolog B,FUNCTION: Serves as substrate adapter subunit in the E3 ubiquitin ligase complex ZYG11B-CUL2-Elongin BC. Acts to target substrates bearing N-terminal degrons for proteasomal degradation with the first four residues of substrates being the key recognition elements (PubMed:33093214, PubMed:34214466, PubMed:35636250). Prefers Nt-Gly but also has the capacity to recognize Nt-Ser, -Ala and -Cys (PubMed:36496439). Involved in the clearance of proteolytic fragments generated by caspase cleavage during apoptosis since N-terminal glycine degrons are strongly enriched at caspase cleavage sites. Also important in the quality control of protein N-myristoylation in which N-terminal glycine degrons are conditionally

## Target Details

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exposed after a failure of N-myristoylation (PubMed:31273098). In addition, plays a role in the amplification of cGAS to enhance innate immune response. Mechanistically, strengthens the processes of cGAS binding with dsDNA and assembling oligomers and also accelerates and stabilizes cGAS-DNA condensation, thereby enhancing production of antiviral IFNs and inflammatory cytokines (PubMed:36933219). {ECO:0000269|PubMed:31273098, ECO:0000269|PubMed:33093214, ECO:0000269|PubMed:34214466, ECO:0000269|PubMed:35636250, ECO:0000269|PubMed:36496439, ECO:0000269|PubMed:36933219}.

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Molecular Weight: 83.9 kDa

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UniProt: [Q9C0D3](#)

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Pathways: [SARS-CoV-2 Protein Interactome](#)

## 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