

Datasheet for ABIN7560724  
**PIGC Protein (AA 1-297) (His tag)**



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3 Images

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | PIGC  |
| Protein Characteristics:      | AA 1-297                                    |
| Origin:                       | Mouse                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This PIGC protein is labelled with His tag. |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Made-to-order recombinant Pigg Protein expressed in mammalian cells.  |
| Sequence:        | <p>MCAQRVTDTP EVKWQKVLVE RQFPDPNYVD QRFLEELRKN IYARKYQYWA VVFESSVVIQ<br/>           QLCSVCVFVW IWWYMDEGLL APQWLFGTGL ASSLVGYVLF DLIDGGDGRK KSGRTRWADL<br/>           KSTLVFITFT YGFSPVLKTL TESVSTDTIY AMAVFMLLGH LIFFDYGANA AIVSSTLSLN<br/>           MAIFASVCLA SRLPRSLHAF IMVTFAIQIF ALWPMLQKKL KAYTPRSYVG VTLLFAFSAF<br/>           GGLLSISAVG AILFALLLFS ISCLCPYYLI HLQLFKENIH GPWDEAEIKE DLSRFLS <b>Sequence</b><br/> <b>without tag. The proposed Purification-Tag is based on experiences with the expression</b><br/> <b>system, a different complexity of the protein could make another tag necessary. In case you</b><br/> <b>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.   |
| Characteristics: | Key Benefits:   |

## Product Details

- 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:  | made-to-order   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | PIGC   |
| Alternative Name: | Pigc ( <a href="#">PIGC Products</a> )   |
| Background:       | Phosphatidylinositol N-acetylglucosaminyltransferase subunit C (Phosphatidylinositol-glycan biosynthesis class C protein) (PIG-C),FUNCTION: Part of the glycosylphosphatidylinositol-N-acetylglucosaminyltransferase (GPI-GnT) complex that catalyzes the transfer of N-acetylglucosamine from UDP-N-acetylglucosamine to phosphatidylinositol and participates in the first step of GPI biosynthesis. {ECO:0000250 UniProtKB:Q92535}. |
| Molecular Weight: | 33.7 kDa   |
| UniProt:          | <a href="#">Q9CXR4</a>   |
| Pathways:         | <a href="#">Inositol Metabolic Process</a>   |

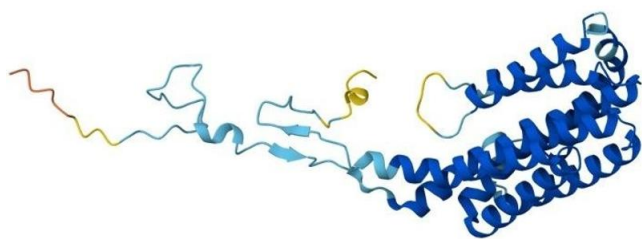
## Application Details

|                    |   |
|--------------------|---|
| 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

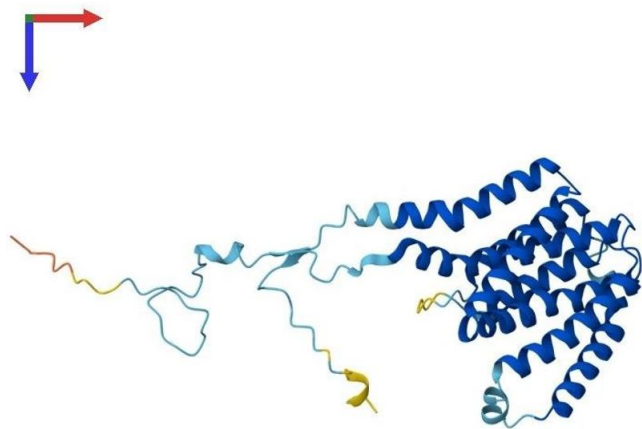
|                  |  |
|------------------|--|
| Format:          | Liquid   |
| Buffer:          | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles.                               |
| Storage:         | -80 °C   |
| Storage Comment: | Store at -80°C.  |
| Expiry Date:     | 12 months  |

Images



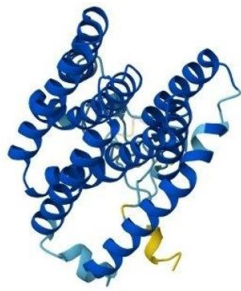
Protein Structure

**Image 1.** AlphaFold protein structure prediction of Mouse Recombinant Pigc Protein, UniprotID Q9CXR4



Protein Structure

**Image 2.** AlphaFold protein structure prediction of Mouse Recombinant Pigc Protein, UniprotID Q9CXR4



### Protein Structure

**Image 3.** AlphaFold protein structure prediction of Mouse Recombinant Pigc Protein, UniprotID Q9CXR4