

Datasheet for ABIN7550757  
**PIGA Protein (AA 1-484) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PIGA
Protein Characteristics:	AA 1-484
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIGA protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant PIGA Protein expressed in mammalian cells.
Sequence:	MACRGGAGNG HRASATLSRV SPGSLYTCRT RTHNICMVSD FFYPNMGGVE SHIYQLSQCL IERGHKVIIV THAYGNRKG I RYLTSGLKVY YLPLKVMYNQ STATTLFHSL PLLRYIFVRE RVTIIHSHSS FSAMAHDALF HAKTMGLQTV FTDHSLFGFA DVSSVLTNKL LTVSLCDTNH IICVSYTSKE NTVLRAALNP EIVSVIPNAV DPTDFTPDPF RRHDSITIVV VSRLVYRKG I DLLSGIPEL CQKYPDLNFI IGGEGPKRII LEEVRERYQL HDRVRLLGAL EHKDVRNVLV QGHIFLNTSL TEAFCMAIVE AASCGLQVVS TRVGGIPEVL PENLIILCEP SVKSLCEGLE KAIFQLKSGT LPAPENIHNI VKTFYTWARNV AERTEKVYDR VSVEAVLPMD KRLDRLISHC GPVTGYIFAL LAVFNFLFLI FLRWMTGPSI IDVAIDATGP RGAWTNNYSH SKRGGENNEI SETR <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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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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:

PIGA

### Alternative Name:

PIGA ([PIGA Products](#))

### Background:

Phosphatidylinositol N-acetylglucosaminyltransferase subunit A (EC 2.4.1.198) (GlcNAc-PI synthesis protein) (Phosphatidylinositol-glycan biosynthesis class A protein) (PIG-A),FUNCTION: Catalytic subunit 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:0000305|PubMed:16162815}.

### Molecular Weight:

54.1 kDa

### UniProt:

[P37287](#)

### Pathways:

[Inositol Metabolic Process](#)

## 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

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## 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

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