

Datasheet for ABIN7554966

## PIGO Protein (AA 1-1089) (His tag)



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### Overview

Quantity:	1 mg
Target:	PIGO
Protein Characteristics:	AA 1-1089
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIGO protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat PIGO Protein expressed in mammalian cells.
Sequence:	<p>MQKASVLLFL AWVCFLFYAG IALFTSGFLL TRLELTNHSS CQEPGPGSL PWGSQGKPGA</p> <p>CWMASRFSRV VLVLIDALRF DFAQPQHSHV PREPPVSLPF LGKLSSLQRI LEIQPHHARL</p> <p>YRSQVDPPTT TMQRLKALT GSLPTFIDAG SNFASHAIVE DNLKQLTSA GRRVFMGDD</p> <p>TWKDLFPGAF SKAFFFPNFR VRLDLDVNDG ILEHLYPTMD SGEWDVLIAH FLGVDHCGHK</p> <p>HGPHHPPEMAK KLSQMDQVIQ GLVERLENDT LLVVAGDHGM TTNGDHGGDS ELEVSAALFL</p> <p>YSPTAVFPST PPEEPEVIPQ VSLVPTLALL LGLPIPGNI GEVMAELFSG GEDSQPHSSA</p> <p>LAQASALHLN AQQVSRFLHT YSAATQDLQA KELHQLQNLF SKASADYQWL LQSPKGAEAT</p> <p>LPTVIAELQQ FLRGARAMCI ESWARFSLVR MAGGTALLAA SCFICLLASQ WAISPGFPFC</p> <p>PLLLTPVAWG LVGAIAAGL LGTIELKLDL VLLGAVAAVS SFLPFLWKAW AGWGSKRPLA</p> <p>TLFPIPGPVL LLLLFRLAVF FSDSFVVAEA RATPFLLGSF ILLLVVQLHW EGQLLPKLL</p> <p>TMPLRGTSAT TNPPRHNGAY ALRLGIGLLL CTRLAGLFHR CPEETPVCHS SPWLSPLASM</p>

VGGRAKNLWY GACVAALVAL LAAVRLWLRR YGNLKSPEPP MLFVRWGLPL MALGTAAYWA  
LASGADEAPP RLRVLVSGAS MVLPRAVAGL AASGLALLLW KPVTVLVKAG AGAPRTRTVL  
TPFSGPPTSQ ADLDYVVPQI YRHMQEEFRG RLERTKSQGP LTVAAYQLGS VYSAAMVTAL  
TLAFLPLLLL HAERISLVFL LLFLQSFLLL HLLAAGIPVT TPGPFTVPWQ AVSAWALMAT  
QTFYSTGHQP VFPAIHWAA FVGFPPEGHGS CTWLPALLVG ANTFASHLLF AVGCPLLLW  
PFLCESQGLR KRQPPGNEA DARVRPEEEE EPLMEMRLRD APQHFYAALL QLGLKYLFI  
GIQILACALA ASILRRHLMV WKVFAPKFIF EAVGFIVSSV GLLLGLALVM RVDGAVSSWF  
RQLFLAQQR **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

PIGO

Alternative Name:

PIGO ([PIGO Products](#))

Background:

GPI ethanolamine phosphate transferase 3 (EC 2.-.-) (Phosphatidylinositol-glycan biosynthesis class O protein) (PIG-O),FUNCTION: Ethanolamine phosphate transferase involved in glycosylphosphatidylinositol-anchor biosynthesis. Transfers ethanolamine phosphate to the

## Target Details

	GPI third mannose which links the GPI-anchor to the C-terminus of the proteins by an amide bond. {ECO:0000269 PubMed:24049131, ECO:0000269 PubMed:28337824}.
Molecular Weight:	118.7 kDa
UniProt:	<a href="#">Q8TEQ8</a>
Pathways:	<a href="#">Inositol Metabolic Process</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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