

Recombinant Human PIGQ Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PIGQ-5106H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PIGQ MS Standard C13 and N15-labeled recombinant protein (NP_683721) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is involved in the first step in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell surface. This gene encodes a N-acetylglucosaminyl transferase component that is part of the complex that catalyzes transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc to phosphatidylinositol (PI). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	83.9 kDa
AA Sequence	MVLKAFFPTCCVSTD SGLLVGRWVPEQSSAVVLAVLHFFPIPIQVKQLLAQVRQASQ VGVAVLGTWCHCRQEPEESLGRFLESLGAVFPHEPWLRLCRERGGTFWSCEATHR QAPTAPGAPGEDQVMLIFYDQRQVLLSQLHLPTVLPDRQAGATTASTGGLAAVFDT VARSEVLFRSDRFDEGPVRLSHWQSEGVEASILAELARRASGPICLLLASLLSLVSAV SACRVFKLWPLSFLGSKLSTCEQLRHRLEHLTLIFSTRKAENPAQLMRKANTVASVL LDVALGLMLLSWLHGRSRIGHLADALVPVADHVAEELQHLLQWLMGAPAGLKMNRA

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LDQVLGRFFLYHIHLWISYIHLMSPFVEHILWHVGLSACLGLTVALSLLSDIALLTFHIY
CFYVYGARLYCLKIHGLSSLWRLFRGKKWNVLRQRVDSCSYDLDQLFIGTLLFTILLF
LLPTTALYYLVFTLLRLLVVAVQGLIHLLVDLINSPLYSGLRLCRPYRLADKPTALQP
RGAHLPPPQLWLPPQALLGRPVPQAVPWGAHLPLEAERGQAGLRELLARLAPPHG
HSQPSALPGWHQLSWRMSCALWTLLCAPEHGRPCYHTLGLEVIGSEQMWGWPAR
LAALHHWHCLPWDPLPTCCGHHGGEHSNPRCPEHCPMPTLCTQVQVRPPQQPQ
VEGWSPWGLPSGSALAVGVEGPCQDEPPSPRHPLAPSAEQHPASGGLKQSLTPVP
SGPGPSLPEPHGVYLRMFPGEVALTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [PIGQ phosphatidylinositol glycan anchor biosynthesis class Q \[Homo sapiens \(human\) \]](#)

Official Symbol [PIGQ](#)

Synonyms PIGQ; phosphatidylinositol glycan anchor biosynthesis, class Q; phosphatidylinositol glycan, class Q; phosphatidylinositol N-acetylglucosaminyltransferase subunit Q; GPI1; hGPI1; PIG-Q; N-acetylglucosamyl transferase component GPI1; N-acetylglucosaminyl transferase component Gpi1; phosphatidylinositol-glycan

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biosynthesis class Q protein; c407A10.1 (GPI1 (N-acetylglucosaminyl transferase component)); c407A10.1; FLJ56783; MGC12693;

Gene ID [9091](#)

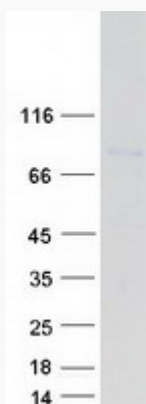
mRNA Refseq [NM_148920](#)

Protein Refseq [NP_683721](#)

MIM [605754](#)

UniProt ID [Q9BRB3](#)

SDS-PAGE



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