

## Product datasheet for PH302874

### PIGQ (NM\_148920) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PIGQ MS Standard C13 and N15-labeled recombinant protein (NP_683721)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202874
Predicted MW:	83.9 kDa
Protein Sequence:	>RC202874 representing NM_148920 Red=Cloning site Green=Tags(s)

MVLKAFFPTCCVSTDSGLLVGRVWPEQSSAVVLAVLHFFPIPIQVKQLLAQVRQASQVGVAVLGTWCHCR  
QEPEESLGRFLESLGAVFPHEPWLRLCRERGGTFWSCEATHRQAPTAPGAPGEDQVMLIFYDQRQVLLSQ  
LHLPTVLPDRQAGATTASTGGLAAVFDTVARSEVLFRRSDRFDEGVPVRLSHWQSEGVEASILAELARRASG  
PICLLLASLLSLVSAVSACRVFKLWPLSFLGSKLSTCEQLRHRLEHLTLIFSTRKAENPAQLMRKANTVA  
SVLLDVALGLMLLSWLHGRSRIGHLADALVPVADHVAEELQHLLQWLMGAPAGLKMNRLDQVLGRFFLY  
HIHLWISYIHLMSPFVEHILWHVGLSACLGLTVALSLLSDIIALLTFHIYCFYVYGARLYCLKIHGLSSL  
WRLFRGKKWNLQRVDSCSYDLQDLFIGTLLFTILLFLLPTTALYYLVFTLLRLLVVAVQGLIHLLVDL  
INSLPLYSLGLRLCRPYRLADKPTALQPRGAHLPPPQLWLPPQALLGRPVPQAVPWGAHLEAERGQAG  
LRELLARLAPPHGHSQPSALPGWHQLSWRMSCALWTLCAPEHGRPCYHTLGLEVIGSEQMVGWPARLAA  
LHHWHCLPWDPLPTCCGHHGGEHSNPRCPEHCPMPTLCTQVQVRPPQQPQVEGWSPWGLPSGSALAVGV  
EGPCQDEPPSPRHPLAPSAEQHPASGGLKQSLTPVPSGPGPSLPEPHGVYLRMFPGEVAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_683721</a>



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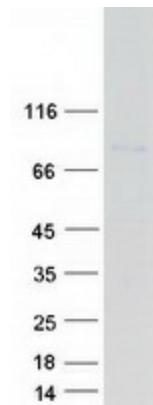
RefSeq Size:	2878
RefSeq ORF:	2280
Synonyms:	c407A10.1; DEE77; EIEE77; GPI1
Locus ID:	9091
UniProt ID:	<a href="#">Q9BRB3</a>
Cytogenetics:	16p13.3

**Summary:** 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. [provided by RefSeq, Jun 2012]

**Protein Families:** Transmembrane

**Protein Pathways:** Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways

### Product images:



Coomassie blue staining of purified PIGQ protein (Cat# [TP302874]). The protein was produced from HEK293T cells transfected with PIGQ cDNA clone (Cat# [RC202874]) using MegaTran 2.0 (Cat# [TT210002]).