

Product datasheet for TP302874

PIGQ (NM_148920) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphatidylinositol glycan anchor biosynthesis, class Q (PIGQ), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202874 representing NM_148920 Red =Cloning site Green =Tags(s)

MVLKAFPTCCVSTDSGLLVGRWVPEQSSAVVLAVLHFFPIPIQVKQLLAQVRQASQVGVAVLGTWCHCR
QEPEESLGRFLESLGAVFPHEPWLRLCRERGGTFWSCEATHRQAPTAPGAGEDQVMLIFYDQRQVLLSQ
LHLPTVLPDRQAGATTASTGGLAAVFDTVARSEVLFRRSDFDEGPVRLSHWQSEGVEASILAEARRASG
PICLLLASLLSVSAVSACRVFKLWPLSFLGSKLSTCEQLRHRLEHLTLIFSTRKAENPAQLMRKANTVA
SVLLDVALGLMLLSWLHGSRIGHLADALVPVADHVAEELQHLLQWLMGAPAGLKMNRALDQVLGRFF
LY
HIHLWISYIHLMSPFVEHILWHVGLSACLGLTVALSLLSDIALLTFHIYCFVYGARLYCLKIHGLSSL
WRLFRGKKWNVLRQRVDSCSYDLQDFIGTLLFTILLFLLPTTALYYLVFTLLRLLVAVQGLIHLLVDL
INSLPLYSLGLRLCRPYRLADKPTALQPRGAHLPPPQLWLPPQALLGRPVPQAVPWGAHLPLEAERGQAG
LRELLARLAPPHGHSQPSALPGWHQLSWRMSCALWTLLCAPEHGRPCYHTLGLEVIGSEQMWGWPARL
AA
LHHWHCLPWDPLPTCCGHHGGEHSNPRCPEHCPMPTLCTQVQVRVPPQPQVEGWSPWGLPSGSAL
AVGV
EGPCQDEPPSPRHPLAPSAEQHPASGGLKQSLTPVPSGPGPSLPEPHGVYLRMFPGEVAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

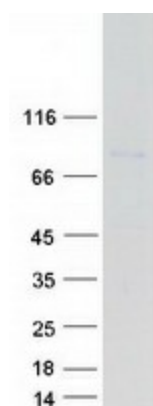
Tag:	C-Myc/DDK
Predicted MW:	83.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_683721
Locus ID:	9091
UniProt ID:	Q9BRB3
RefSeq Size:	2878
Cytogenetics:	16p13.3
RefSeq ORF:	2280
Synonyms:	c407A10.1; DEE77; EIEE77; GPI1
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]).