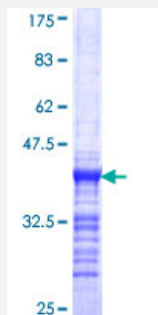


PIK3C2G (Human) Recombinant Protein (Q01)

Catalog # H00005288-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PIK3C2G partial ORF (NP_004561, 2 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AYSWQTDPNPNESHEKQYEHQEFLFVNQPHSSSQVSLGFDQIMDEISGKIPHYESEIDENTFFVPT APKWDSTGHSLNEAHQISLNEFTSKSRELSWHQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Rat (48)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PIK3C2G

Entrez GeneID [5288](#)

GeneBank Accession# [NM_004570](#)

Protein Accession# [NP_004561](#)

Gene Name PIK3C2G

Gene Alias MGC163149, PI3K-C2GAMMA

Gene Description phosphoinositide-3-kinase, class 2, gamma polypeptide

Omim ID [609001](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the phosphoinositide 3-kinase (PI3K) family. PI3-kinases play roles in signaling pathways involved in cell proliferation, oncogenic transformation, cell survival, cell migration, and intracellular protein trafficking. This protein contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases. C2 domains act as calcium-dependent phospholipid binding motifs that mediate translocation of proteins to membranes, and may also mediate protein-protein interactions. The biological function of this gene has not yet been determined. [provided by RefSeq]

Other Designations PTDINS-3-kinase C2 gamma|phosphatidylinositol 3-kinase C2 domain-containing gamma|phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing gamma polypeptide

Pathway

- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)

- [Phosphatidylinositol signaling system](#)

Disease

- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Schizophrenia](#)