

PIK3C2G recombinant protein

PIK3C2G, Active

CATALOG # AAA73052	HOST Sf9 insect cells using baculovirus	APPLICATIONS Kinase Assay
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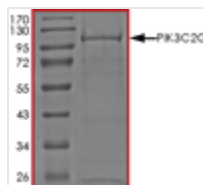
PRODUCT SYNONYMS

PIK3C2G; Active; PIK3C2G recombinant protein

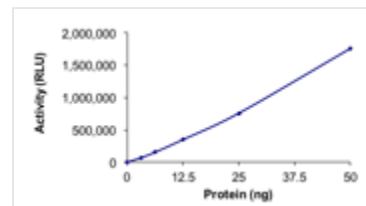
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	468-1203
Sequence Length	4440
Applicable Applications for PIK3C2G recombinant protein	Kinase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for PIK3C2G recombinant protein	Description: Recombinant human PIK3C2G (468-1203) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: PIK3C2G belongs to the phosphoinositide 3-kinase (PI3K) family which plays main roles in signaling pathways and involved in cell proliferation, oncogenic transformation, cell survival, cell migration, and intracellular protein trafficking (1). PIK3C2G contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases that act as calcium-dependent phospholipid binding motifs which mediate translocation of proteins to membranes, and may also mediate protein-protein interactions and the N-terminal region of PIK3C2G and the C-terminal C2 domain are required for enzymatic activity (2).
Product Categories/Family for PIK3C2G recombinant protein	Enzymes; Active Lipid Kinases

References	1. Rozycka, M.et.al: cDNA cloning of a third human C2-domain-containing class II phosphoinositide 3-kinase, PI3K-C2-gamma, and chromosomal assignment of this gene (PIK3C2G) to 12p12. Genomics 54: 569-574, 1998. 2. Misawa, H. et.al: Cloning and characterization of a novel class II phosphoinositide 3-kinase containing C2 domain. Biochem. Biophys. Res. Commun. 244: 531-539, 1998.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	120659791
NCBI GeneID	5288
Molecular Weight	110 kDa
NCBI Official Full Name	Homo sapiens phosphoinositide-3-kinase, class 2, gamma polypeptide, mRNA
NCBI Official Synonym Full Names	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 gamma
NCBI Official Symbol	PIK3C2G
NCBI Official Synonym Symbols	PI3K-C2GAMMA; PI3K-C2-gamma
NCBI Protein Information	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma
UniProt Protein Name	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma
UniProt Gene Name	PIK3C2G
UniProt Synonym Gene Names	PI3K-C2-gamma; PtdIns-3-kinase C2 subunit gamma

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/pik3c2g-recombinant-protein-sf9-insect-cells-using-baculovirus-kinase-assay/73052>