

Recombinant Human PIK3C3 (Vps34) (N-GST tag)

Cat No:HR2R1861

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PIK3C3 (Vps34)
Gene ID	N/A
Accession	NM_002647
Alternative Name	VPS34, hVps34, MGC61518
Species	Human
Source	Insect cells
Description	PIK3C3 or phosphoinositide-3-kinase is a member of the PI 3-kinase family that mediates the active diversion of proteins from the secretory pathway to vacuoles. PIK3C3 are involved in both receptor-mediated signal transduction and intracellular trafficking. In yeast, the vps34 gene product is a PI 3-kinase. PIK3C3 has a substrate specificity and ion requirements that are distinct from the other known mammalian PI 3-kinases . PIK3C3 mediate catalysis on membranes and suppress futile adenosine triphosphatase cycles. PIK3C3 appears to alternate between a closed cytosolic form and an open form on the membrane .
Functions	The specific activity of PIK3C3 was determined to be 98 nmol /min/mg as per activity assay protocol
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	128
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?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.