

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.