

Recombinant Human PIK3CA Protein (His Tag)

Catalog No. PKSH033826

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

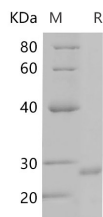
Synonyms	5-bisphosphate 3-kinase 110 kDa catalytic subunit alpha, 5-bisphosphate 3-kinase catalytic subunit alpha isoform, caPI3K, CLOVE, CWS5, MCAP, MCM, MCMTC, MGC142161, MGC142163, p110 alpha, p110alpha, Phosphatidylinositol 3 kinase catalytic alpha polypeptide, Phosphatidylinositol 3 kinase catalytic 110 KD alpha, Phosphatidylinositol 4 5 bisphosphate 3 kinase catalytic subunit alpha, Phosphatidylinositol 4 5 bisphosphate 3 kinase catalytic subunit alpha isoform, Phosphatidylinositol 4, 5 bisphosphate 3 kinase 110 kDa catalytic subunit alpha, Phosphatidylinositol-4, Phosphoinositide 3 kinase catalytic alpha polypeptide, PI3 kinase p110 subunit alpha, PI3-kinase subunit alpha, PI3K, PI3K-alpha, PI3KC A, PIK3C A, Pik3ca, PK3CA, PK3CA, PtdIns 3 kinase p110, PtdIns-3-kinase subunit alpha, PtdIns-3-kinase subunit p110-alpha, Serine/threonine protein kinase PIK3CA
Species	Human
Expression Host	E.coli
Sequence	Met1-Pro200
Accession	P42336-1
Calculated Molecular Weight	23.1 kDa
Observed molecular weight	25.4 kDa
Tag	N-His
Bioactivity	Testing in progress

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data

For Research Use Only



> 90 % as determined by reducing SDS-PAGE.

Background

Phosphatidylinositol 3-kinase is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. The protein encoded by this gene represents the catalytic subunit, which uses ATP to phosphorylate PtdIns, PtdIns4P and PtdIns(4,5)P₂. This gene has been found to be oncogenic and has been implicated in cervical cancers. A pseudogene of this gene has been defined on chromosome 22.