

PIK3CA Protein, Human, Recombinant (His)

General Information

Synonyms:	PI3-kinase subunit alpha;Phosphatidylinositol 4,5-bisphosphate 3-kinase 110 kDa catalytic subunit alpha (PtdIns-3-kinase subunit p110-alpha;p110alpha);PIK3CA;PtdIns-3-kinase subunit alpha;Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform;PI3K-alpha;PI3Kalpha;Phosphoinositide 3-kinase alpha;Phosphoinositide-3-kinase catalytic alpha polypeptide;5-bisphosphate 3-kinase catalytic subunit alpha isoform; Serine/threonine protein kinase PIK3CA
Protein Construction:	797-1068 aa
Species:	Human
Expression Host:	E. coli
Accession:	P42336
Molecular Weight:	33.9 kDa (Predicted)
AA Sequence:	NEIIFKNGDDLQRQDMLTLQIIRIMENIWQNQGLDLRMLPYGCLSIGDCVGLIEVVRNSHTIMQIQCKGGLK GAL QFNSHTLHQWLKDKNKGEIYDAAIDLFRSCAGYCVATFILGIGDRHNSNIMVKDDGQLFHIDFGHFLDHKKK KFGYKRERVPFVLTQDFLIVISKGAQECTKTREFERFQEMCYKAYLAIRQHANLFINLFSMMLGSGMPELQSFD DIAYIRKTLALDKTEQEALYFMKQMNDAAHHGGWTTKMDWIFHTIKQHALN

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it.
Purity:	>90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:	Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Stability & Storage:	Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>

Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.
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