

# Recombinant Human PIK3R3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PIK3R3-2213H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	PIK3R3 MS Standard C13 and N15-labeled recombinant protein (NP_001107644) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Phosphatidylinositol 3-kinase (PI3K) phosphorylates phosphatidylinositol and similar compounds, which then serve as second messengers in growth signaling pathways. PI3K is composed of a catalytic and a regulatory subunit. The protein encoded by this gene represents a regulatory subunit of PI3K. The encoded protein contains two SH2 domains through which it binds activated protein tyrosine kinases to regulate their activity.
<b>Molecular Mass</b>	54.3 kDa
<b>AA Sequence</b>	<p>MYNTVWSMDRDDADWREVMMPYSTELIFYIEMDPPALPPKPPKPMTSAPVNGMKD  SSVSLQDAEWYWGDISREEVNDKLRDMPDGTFLLVRDASTKMGGDYTLTLRKGNN  KLIKIYHRDGKYGFSDPLTFNSVVELINHYHHESLAQYNPKLDVKLMPVSRYYQQDQ  LVKEDNIDAVGKKLQEYHSQYQEKSKKEYDRLYEYTRTSQEIQMKRTAIEAFNETIKI  FEEQCHTQEQHSKEYIERFRREGNEKEIERIMMNYDKLKSRLGEIHDSKMRLEQDLK  NQALDNREIDKMMNSIKPDLIQLRKIRDQHLVWLNHKGVRQKRLNVWLGIKNEDADE  NYFINEEDENLPHYDEKTFVVEDINRVQAEDLLYGKPDGAFLIRESSKKGCYACSVV</p>

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ADGEVKHCVIYSTARGYGFAEPYNLYSSLKELVLHYQQTSLVQHNDSLNVRLAYPVH  
AQMPSLCRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** PIK3R3 phosphoinositide-3-kinase regulatory subunit 3 [ Homo sapiens (human) ]

**Official Symbol** PIK3R3

**Synonyms** PIK3R3; phosphoinositide-3-kinase, regulatory subunit 3 (gamma); phosphatidylinositol 3-kinase regulatory subunit gamma; p55; p55PIK; PI3-kinase subunit p55-gamma; PI3K regulatory subunit gamma; 100% homology to SWISS-PROT Q92569; PI3-kinase regulatory subunit gamma; ptdIns-3-kinase regulatory subunit gamma; ptdIns-3-kinase regulatory subunit p55-gamma; phosphoinositide-3-kinase, regulatory subunit 3 (p55, gamma); phosphatidylinositol 3-kinase 55 kDa regulatory subunit gamma; phosphoinositide-3-kinase, regulatory subunit, polypeptide 3 (p55, gamma); phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 3 (p55, gamma); p55-GAMMA; FLJ41892; DKFZp686P05226;

**Gene ID** 8503

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mRNA Refseq [NM\\_001114172](#)

Protein Refseq [NP\\_001107644](#)

MIM [606076](#)

UniProt ID [Q92569](#)

SDS-PAGE



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