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

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

SPECIFICATION

Product Overview	PIK3R3 MS Standard C13 and N15-labeled recombinant protein (NP_001107644) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	54.3 kDa
AA Sequence	MYNTVWSMDRDDADWREVMMPYSTELIFYIEMDPPALPPKPPKPMTSAVPNGMKD SSVSLQDAEWYWGDISREEVNDKLRDMPDGTFLVRDASTKMQGDYTLTLRKGGNN KLIKIYHRDGKYGFSDPLTFNSVVELINHYHHESLAQYNPKLDVKLMYPVSRYQQDQ LVKEDNIDAVGKKLQEYHSQYQEKSKEYDRLYEEYTRTSQEIQMKRTAIEAFNETIKI FEEQCHTQEQHSKEYIERFRREGNEKEIERIMMNYDKLKSRLGEIHDSKMRLEQDLK NQALDNREIDKKMNSIKPDLIQLRKIRDQHLVWLNHKGVRQKRLNVWLGIKNEDADE NYFINEEDENLPHYDEKTWFVEDINRVQAEDLLYGKPDGAFLIRESSKKGCYACSVV

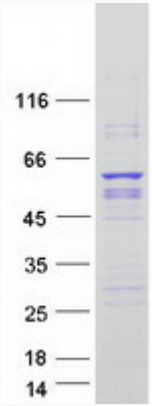
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	ADGEVKHCVIYSTARGYGFAEPYNLYSSLKELVLHYQQTSLVQHNDSLNVRLAYPVH AQMPSLCRTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling 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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