

Recombinant Human PIK3R4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PIK3R4-1245H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PIK3R4 MS Standard C13 and N15-labeled recombinant protein (NP_055417) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Regulatory subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate; different complex forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis. Involved in regulation of degradative endocytic trafficking and cytokinesis, probably in the context of PI3KC3-C2.
Molecular Mass	153.1 kDa
AA Sequence	MGNQLAGIAPSQILSVESYFSDIHDFEYDKSLGSTRFFKVARAKHREGLVVVKVFAIQ DPTLPLTSYKQEELEELKIRLNSAQNCLPFQKASEKASEKAAMLFRQYVRDNLDRIST RPFLNNIEKRWIAFQILTAVDQAHKSGVRHGDIKTENVMVTSWNWVLLTDFASFKPT YLPEDNPADFNFFDTSRRRTCYIAPERFVDGGMFATELEYMRDPSTPLVDLNSNQ RTRGELKRAMDIFSAGCVIAELFTEGVPLFDLSQLLAYRNGHFFPEQVLNKIEDHSIR ELVTQMIHREPDKRLEAEDYLKQQRGNAPFEIFYTFLQPYMAQFAKETFLSADERILV IRKDLGNIIHNLGHDLPKAEKEPKENGLVILSVITSCLQTLKYCDSKLAALELILHL

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APRLSVEILLDRITPYLLHFSNDSVPRVRAEALRTLTKVLALVKEVPRNDINIYPEYILP
 GIAHLAQDDATIVRLAYAENIALLAETALRFLELVQLKNLNMENDPNNEEIDEVTHPNG
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 VAHLHEHKS AVNRIRVSDEHSLFATCSNDGTVKIWNSQKMEGKTTTTRSILTYSRIG
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 VGHDIITDVATFQTTQGFIVTASRDGIVKVWKTTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

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 PIK3R4 phosphoinositide-3-kinase regulatory subunit 4 [Homo sapiens (human)]

Official Symbol PIK3R4

Synonyms PIK3R4; phosphoinositide-3-kinase, regulatory subunit 4; phosphoinositide 3-kinase regulatory subunit 4; p150; VPS15; PI3-kinase p150 subunit; PI3-kinase regulatory subunit 4; phosphoinositide 3-kinase adaptor protein; phosphatidylinositol 3-kinase-associated p150; phosphoinositide-3-kinase, regulatory subunit 4, p150; MGC102700;

Gene ID 30849

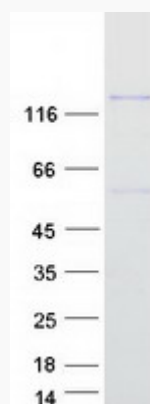
mRNA Refseq NM_014602

Protein Refseq NP_055417

MIM 602610

UniProt ID Q99570

SDS-PAGE



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