

Product datasheet for TP310308L

PI 3 Kinase regulatory subunit 4 (PIK3R4) (NM_014602) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human phosphoinositide-3-kinase, regulatory subunit 4 (PIK3R4), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC210308 protein sequence Red=Cloning site Green=Tags(s) |

MGNQLAGIAPSQILSVESYFSDIHDFFEYDKSLGSTRFFKVARAKHREGLVVKVFAIQDPTLPLTSYKQE
LEELKIRLNSAQNCLPFQKASEKASEKAAMLFRQYVRDNLDRISTRPFLNNEIKRWIAFQILTAVDQAH
KSGVRHGDIKTENVMVTSWNWVLLTDFASFKPTYPEDNPADFNFFDTSRRRTCYIAPERFVDGGMFAT
ELEYMRDPSTPLVDLNSNQRTGELKRAMDIFSAGCVIAELFTEGVPLFDLSQLLAYRNGHFFPEQVLNK
IEDHSIRELVTQMIHREPDKRLEAEDYLKQQRGNAPPEIFYTFLQPYMAQFAKETFLSADERILVIRKDL
GNIIHNLGHDLPKAEGEPKENGLVILSVITSCLQTLKYCDSKLALELILHLAPRLSVEILLDRITP
YLLHFSNDSVPRVRAEALRTLTKVLALVKEVPRNDINIYPEYILPGIAHLAQDDATIVRLAYAENIALLA
ETALRFLELVQLKLNLMENDPNNEEIDEVTHPNGNYDELQALHEMVQKQVVTLLSDPENIVKQTLMENG
ITRLCVFFGRQKANDVLLSHMITFLNDKNDWHLRGAFFDSIVGVAAYVGWQSSSILKPLLQQGLSDAEFF
VIVKALYALTCMCQLGLLQKPHVYEFASDIAPFLCHPNLWIRYGAVGFITVVARQISTADVCKLMPYLD
PYITQPIIQUIERKLVLLSVLKEPVSRISFDYALRSKDITSLFRHLHMRQKKRNGSLPDCPPPEDPAIAQL
LKKLLSQGMTEEEEDKLLALKDFMMKSNKAKANIVDQSHLHDSSQKGVIDLALGITGRQVDLVKTKQEP
DDKRARKHVKQDSNVNEEWKSMFGSLDPPNMPQALPKGSDQEVITGKPPRSESSAGICVPLSTSSQVPE
VTTVQNKKPVIPVLSSTILPSTYQIRITTCKTELQQLIQKREQCNAERIAKQMMENAEWESKPPPPGWR
PKGLLVAHLHEHKS AVNRIRVSDEHSLFATCSNDGTVKIWN SQKMEGKTTTTRSILTYSRIGGRVKT LTF
CQGSYLAIASDNGAVQLLGIEASKLPKSPKIHLQSRILDQKEDGCVVDMHMFNSGAQSVLAYATVNGS
LVGWDLRSSNAWTLKHDLKSLITSAVDIHCWLCIGTSSGTMACWDMRFQLPISSHCHPSRARIRRL
SMHPLYQSWVIAAVQGNNEVSMWDMETGDRRFTLWASSAPLSELQSPHVSVHGICYSPADGNPILLTAG
SDMKIRFWDLAYPERSYVAGSTSSPSVSYR KIIEGTEVVQEI QNKQKQVGPSDDTPRRGPESLPVGHHD
IITDVATFQTTQGFIVTASRDGIVKVVK

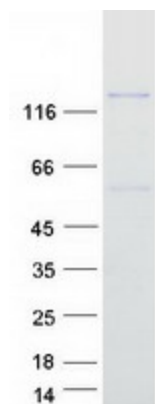
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|---------------|-----------|
| Tag: | C-Myc/DDK |
| Predicted MW: | 152.9 kDa |



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| | |
|--------------------------|---|
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_055417 |
| Locus ID: | 30849 |
| UniProt ID: | Q99570 |
| RefSeq Size: | 5078 |
| Cytogenetics: | 3q22.1 |
| RefSeq ORF: | 4074 |
| Synonyms: | p150; VPS15 |
| Summary: | 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 (PubMed:20643123).[UniProtKB/Swiss-Prot Function] |
| Protein Families: | Druggable Genome, Protein Kinase |
| Protein Pathways: | Regulation of autophagy |

Product images:

Coomassie blue staining of purified PIK3R4 protein (Cat# [TP310308]). The protein was produced from HEK293T cells transfected with PIK3R4 cDNA clone (Cat# [RC210308]) using MegaTran 2.0 (Cat# [TT210002]).