

Product datasheet for **TP310308M**

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

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphoinositide-3-kinase, regulatory subunit 4 (PIK3R4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210308 protein sequence Red=Cloning site Green=Tags(s)

MGNQLAGIAPSQILSVESYFSDIHDFEYDKSLGSTRFFKVARAKHREGLVVKVFAIQDPTLPLTSYKQE
 LEELKIRLNSAQNCLPFQKASEKASEKAAMLFRQYVRDNLDRISTRPFLNINIEKRWIAFQILTAVDQAH
 KSGVRHGDIKTENVMVTSWNWVLLTDFASFQTYLPEDNPADFNFFDTSRRRTCYIAPERFVDGGMFAT
 ELEYMRDPSTPLVDLNSNQRTREGELKRAMDIFSAGCVIAELFTEGVPLFDLSQLLAYRNGHFFPEQVLNK
 IEDHSIRELVTQMIHREPDKRLEAEDYLKQQRGNAPPEIFYTFLQPYMAQFAKETFLSADERILVIRKDL
 GNIIHNLGHDLPKAEGEPKENGLVILVSVITSCLQTLKYCDSKLALELILHLAPRLSVEILLDRITP
 YLLHFSNDSVPRVRAEALRTLTKVLALVKEVPRNDINIYPEYILPGIAHLAQDDATIVRLAYAENIALLA
 ETALRFLELVQLKLNLMENDPNNEEIDEVTHPNGNYDELQALHEMVQKQVVTLLSDPENIVKQTLMENG
 ITRLCVFFGRQKANDVLLSHMITFLNDKNDWHLRGAFFDSIVGVAAYVGVQSSSILKPLLQQGLSDAEFF
 VIVKALYALTCMCQLGLLQKPHVYEFASDIAPFLCHPNLWIRYGAVGFITVVARQISTADVCKLMPYLD
 PYITQPIIQUIERKLVLLSVLKEPVSRISFDYALRSKDITSLFRHLHMRQKKRNGSLPDCPPPEDPAIAQL
 LKKLLSQGMTEEEEDKLLALKDFMMSKAKANIVDQSHLHDSSQKGVIDLALGITGRQVDLVKTKQEP
 DDKRARKHVQDSNVNEEWKSMFGSLDPPNMPQALPKGSDQEVITGKPPRSESSAGICVPLSTSSQVPE
 VTTVQNKKPVIPVLSSTILPSTYQIRITTCKTELQQLIQKREQCNAERIAKQMMENAEWESKPPPPGWR
 PKGLLVAHLHEHKS AVNRIRVSD EHS LFATCSNDGTVKIWN SQKMEGKTTTTRSILTYSRIGGRVKT LTF
 CQGSYLAIASDNGAVQLLGIEASKLPKSPKIHLQSRILDQKEDGCVVDMHMFNSGAQSVLAYATVNGS
 LVGWDLRSSNAWTLKHDLKSLITSAVDIHCWLCIGTSSGTMACWDMRFQLPISSHCHPSRARIRRL
 SMHPLYQSWVIAAVQGNNEVSMWDMETGDRRFTLWASSAPPLSELQSPHVSVHGICYSPADGNPILLTAG
 SDMKIRFWDLAYPERSYVAGSTSSPSVSYRKKIIEGTEVVQEIQNKQKQVGPSDDTPRRGPESLPVGHHD
 IITDVATFQTTQGFIVTASRDGIVKVKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

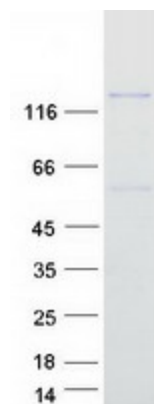
Tag:	C-Myc/DDK
Predicted MW:	152.9 kDa



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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]).