

Product datasheet for **RG223713**

PIP5K1 beta (PIP5K1B) (NM_003558) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | PIP5K1 beta (PIP5K1B) (NM_003558) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | PIP5K1 beta |
| Synonyms: | MSS4; STM7 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG223713 representing NM_003558
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCTTCTGCTGCTGAAAATGGAGAGGCAGCACCTGGAAAACAAAATGAAGAAAAACCTATAAAAAGA
 CTGCATCATCTGCTATTAAGGTGCTATTCAGCTGGGAATAGGATACACAGTGGTAATCTCACTCCAA
 GCCAGAACGAGATGTTCTTATGCAAGACTTTTATGTGGTGAAAGTGTGTTCTACCCAGCGAAGGGAGC
 AATCTGACCCAGCACATCACTACCCAGACTTTAGATTTAAGACATACGCTCCATTAGCATTCCGATATT
 TCAGAGAACTTTTTGGTATCAAGCCTGATGATTACTTGTATTCCATCTGCAGTGAACCTCTAATAGA
 ACTGTCTAACCTGGAGCCAGTGGATCCTTGTTTTTGTGACCAGTGTGATGAATTTATCATAAAACAGT
 CAGCACAAGAAGCTGAGTTTCTCAGAAGCTACTGCCAGGCTATTACATGAATTTAAACCAGAATCCAA
 GGACTCTTTGCCAAAATTTACGGACTGTATTGTATGCAATCAGGAGGCATTAATATCAGGATTGTGGT
 GATGAACAACGTTTTGCCACGCTCCATGAGAATGCACTTTACATATGACTTGAAAGGCTCAACGTATAAG
 CGAAGAGCATCCCGTAAAGAGAGAGAGAAAATCCAACCCACATTTAAGGACTTAGATTTCCCTGCAAGACA
 TGCACGAAGGGTTGATTTTTGATACGGAACATACAACGCGCTTATGAAAACACTTCAGAGAGACTGCCG
 GGTGCTAGAAAAGCTTCAAGATCATGGATTATAGCCTTCTGTTGGGAATTCATTTCCCTGGACCATTCCCTC
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 CACAATGGGAGGCATCCAGCTAAAAGCCATAGGGGAGAAAACTACTTTATTTATGGGCATTATTGAC
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 GAAAATTCAGCTTTGAAGGCTTCACCGCTAAGAAACGGTGCAATTCATCGCCGCCCTAAAGGCCACT
 TCACAGGAGATTGTGCCTCAATTAGCCAGGAATGGAAGGATGAGAAGCGGGATTGCTGACTGAAGGAC
 AAAGTTTTAGCAGCCTTGATGAAGAAGCCTGGGATCCCGACACAGGCCAGACCTGGTCCCTAGCACTCC
 ATCACTGTTTGAAGCTGCTTCTTGGAACCAATTTTCACTCTTCTTATACGTCAATGAGCACTAT
 CCACACGACAGGCCTACTCTATTCAAACAGCAAAGGTTACCTTCCAGTTCAACATTTACCTGGAAG
 AGGGGACCATCTACTTGACCGCTGAGCCCAACTCTGGAAGTGCAGGATGACAATGCTTCTGTGCTTGA
 CGTCTATTTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG223713 representing NM_003558
 Red=Cloning site Green=Tags(s)

MSSAAENGEAAPGKQNEEKTYKKTASSAIKGAIQLGIGYTVGNLTSKPERDVLMDQFYVVESVFLPSEGS
 NLTPAHHYPDFRFKYAPLAFRYFRELFGIKPDDYLYSICSEPLIELSNPGASGSLFFVTSDDDEFIKTV
 QHKEAEFLQKLLPGYYMNLNQNPRLLPKFYGLYCMQSGGINIRIVVMNNVLPMSRMHFTYDLKGSTYK
 RRASRKEREKSNPTFKDLDFLQDMHEGLYFDTETYNALMKTLQRDCRVLESFKIMDYSLLLGIHFLDHS
 KEKEEETPQNVDAKRTGMQKVLYSTAMESIQGPGKSGDGIITENPDTMGGIPAKSHRGEKLLLFMGIID
 ILQSYRLMKLEHSWKALVYDGDVSVHRPSFYADRFLKFMNSRVFKKIQAALKASPSKKRNCNSIAALKAT
 SQEIVSSISQEWKDEKRDLLTEGQSFSSLDEEALGSRHRPDLVPSTPSLFEAASLATTISSSLYVNEHY
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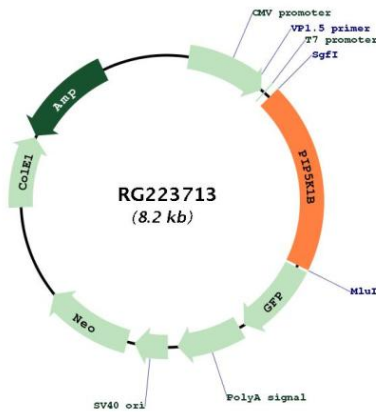
TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

| | |
|--------------------------|--|
| Cytogenetics: | 9q21.11 |
| Domains: | PIP5K |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Endocytosis, Fc gamma R-mediated phagocytosis, Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system, Regulation of actin cytoskeleton |
| Gene Summary: | Participates in the biosynthesis of phosphatidylinositol 4,5-bisphosphate. Mediates RAC1-dependent reorganization of actin filaments. Contributes to the activation of PLD2. Together with PIP5K1A is required after stimulation of G-protein coupled receptors for stable platelet adhesion (By similarity).[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for RG223713