



## Myristoylated Kinase Library

**Description:** This library consists of 196 human kinases and kinase-related open reading frames (ORFs) cloned into a retroviral vector which adds a myristoylation sequence and flag-epitope tag to each ORF. The plasmids are divided into two plates. Detailed information can be found at:

[www.addgene.org/myr\\_kinase\\_library](http://www.addgene.org/myr_kinase_library)

**Reference:** Integrative Genomic Approaches Identify IKBKE as a Breast Cancer Oncogene. Boehm JS, Zhao JJ, Yao J, Kim SY, Firestein R, Dunn IF, Sjostrom SK, Garraway LA, Weremowicz S, Richardson AL, Greulich H, Stewart CJ, Mulvey LA, Shen RR, Ambrogio L, Hirozane-Kishikawa T, Hill DE, Vidal M, Meyerson M, Grenier JK, Hinkle G, Root DE, Roberts TM, Lander ES, Polyak K, Hahn WC. (Cell. 2007 Jun 15. 129(6):1065-1079)

**Handling and Storage:** Store glycerol stocks at -80°C and minimize freeze-thaw cycles. To access a plasmid, keep the plate on dry ice to prevent thawing. Using a sterile pipette tip, puncture the seal above an individual well and spread a portion of the glycerol stock onto an agar plate. To patch the hole, use sterile tape or a portion of a fresh aluminum seal.

**Note:** These plasmid constructs are being distributed to non-profit institutions for the purpose of basic research.

Please contact Addgene at [help@addgene.org](mailto:help@addgene.org) with any questions.

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# Kinase Library

## Plate 1

|   | 1       | 2     | 3       | 4      | 5        | 6       | 7       | 8      | 9      | 10    | 11      | 12      |
|---|---------|-------|---------|--------|----------|---------|---------|--------|--------|-------|---------|---------|
| A | CKS1B   | TK1   | PIM1    | CDK9   | CHEK1    | SGK     | DYRK2   | PLK1   | MAPK7  | AKT1  | UCK2    | CKS2    |
| B | STK17B  | CAMKV | CLK3    | MPP1   | TTK      | PIK4CB  | PKN2    | CKM    | STK38L | LCK   | MELK    | MATK    |
| C | MAP2K5  | CDK5  | IKBKE   | PAPSS1 | CSNK1G2  | PCTK1   | DAK     | BMX    | TAOK3  | PRKCZ | CALM2   | CDC2    |
| D | RIOK3   | GALK2 | PIP5K1A | NEK6   | DGKG     | CDK2    | CDK7    | CKMT1A | GCK    | CLK2  | RPS6KA5 | RPS6KA2 |
| E | RET     | FASTK | CDK4    | MAPK14 | LIMK1    | BLK     | MAP3K7  | PKM2   | TYK2   | MKNK1 | PRKRA   | MAPK13  |
| F | AURKA   | PLAU  | PCTK3   | OXSRI  | MAP3K6   | RPS6KB2 | VRK2    | FGR    | RIOK2  | PCK2  | LIMK2   | ACVR1   |
| G | STK3    | AMHR2 | GK2     | ADCK5  | CSNK1A1L | MAP2K7  | PIP5K3  | NEK11  | NEK3   | GRK6  | HIPK1   | PMVK    |
| H | PACSLN1 | ILK   | CLK1    | STK33  | SYK      | ADRBK1  | RPS6KL1 | HK2    | CERK   | PDXK  | ADRBK2  | PIK3R3  |

## Plate 2

|   | 1       | 2       | 3       | 4     | 5      | 6       | 7       | 8      | 9      | 10     | 11      | 12      |
|---|---------|---------|---------|-------|--------|---------|---------|--------|--------|--------|---------|---------|
| A | PCTK2   | MAPKAP1 | ULK4    | ITK   | BTK    | RPSK6A3 | EPHA4   | MAP3K8 | AKT3   | CAMKK1 | GK      | YES1    |
| B | PRKCI   | DLG5    | RPS6KA6 | CAMK4 | HCK    | RPS6KB1 | MAPK6   | TEC    | PRKCD  | PIK4CA | PIK3CB  | VRK3    |
| C | PI4K2B  | FRK     | PRKAA1  | GRK5  | PLK2   | PFKM    | MOBKL2A | AAK1   | TSSK1B | MAST1  | PDIK1L  | NADK    |
| D | DYRK4   | MVK     | PAK4    | TESK1 | MAPK12 | ITPKB   | IHPK2   | SPHK2  | PIK3CG | STK32C | CKB     | ITPK1   |
| E | GAK     | PRKACG  | STK40   | PDPK1 | HK1    | PIK3R5  | PNKP    | PRKAG2 | NUAK2  | SNF1LK | HK3     | PIP5K2A |
| F | PIP5K1B | PBK     | STK32B  | CMPK  | ADPGK  | MAP3K14 | CSNK1G1 | TNK2   | NTRK3  | DGUOK  | MOBKL1A | NME7    |
| G | FGFR1   | PFKL    | PKN1    | PLK4  | CKMT2  | RIOK1   | PLK3    | ADCK4  | STK4   | TIE1   | PTK2    | SRPK2   |
| H | PRKACB  | MAP2K6  | PRKAR2A | AXL   | PDK1   | CAMK1G  | TBK1    | STK32A | TSSK6  | CSNK1E | CAMK2D  | CAMK2B  |

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