



SelectScreen™ Kinase Profiling Target Panel

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|-----------------------|-----------------------|-----------------------------|-------------------|---------------------|
| ABL1 | CSNK1G2 (CK1 gamma 2) | GSK3 beta | MET M1250T | PRKD1 (PKD, PKC mu) |
| ABL1 E255K | CSNK1G3 (CK1 gamma 3) | HCK | MINK1 | PRKD2 (PKD2) |
| ABL1 G250E | CSNK2A1 (CK2 alpha 1) | HIPK1 | MST1R (RON) | PRKG1 (PKG1) |
| ABL1 T315I | CSNK2A2 (CK2 alpha 2) | HIPK4 | MST4 | PRKG2 (PKG2) |
| ABL1 Y253F | DAPK3 | IGF1R | MYLK2 (skMLCK) | PRKX |
| ABL2 (ARG) | DCaMKL2 (DCK2) | IKKBK (IKK beta) | MUSK | PTK2B (FAK2) |
| ACVR1B (ALK4) | DYRK1A | INSR | NEK1 | PTK6 (BRK) |
| ADRBK1 (GRK2) | DYRK1B | INSRR (IRR) | NEK2 | RAF1 (cRAF)* |
| ADRBK2 (GRK3) | DYRK3 | IRAK4 | NEK4 | RET |
| AKT1 (PKB alpha) | DYRK4 | ITK | NEK6 | RET Y791F |
| AKT2 (PKB beta) | EEF2K | JAK1 | NEK7 | RET V804L |
| AKT3 (PKB gamma) | EGFR (ERBB1) | JAK2 | NEK9 | ROCK1 |
| ALK | EGFR T790M | JAK2 (JH1 JH2 domain) | NTRK1 (TRKA) | ROCK2 |
| AMPK a1, b1, g1 | EGFR L858R | JAK2 (JH1 JH2 domain V617F) | NTRK2 (TRKB) | ROS1 |
| AMPK a2, b1, g1 | EGFR L861Q | JAK3 | NTRK3 (TRKC) | RPS6KA1 (RSK1) |
| Aurora A | EPHA1 | KDR (VEGFR2) | PAK2 | RPS6KA3 (RSK2) |
| Aurora B | EPHA2 | KIT | PAK3 | RPS6KA2 (RSK3) |
| Aurora C | EPHA3 | KIT T670I | PAK4 | RPS6KA6 (RSK4) |
| AXL | EPHA4 | LCK | PAK6 | RPS6KA4 (MSK2) |
| BLK | EPHA5 | LTK | PAK7 | RPS6KA5 (MSK1) |
| BMX | EPHA8 | LYN A | PASK | RPS6KB1 (p70S6K) |
| BRAF* | EPHB1 | LYN B | PDGFR alpha | SGK |
| BRAF V599E* | EPHB2 | MAPK1 (Erk2) | PDGFR alpha D842V | SGK2 |
| BRSK1 | EPHB3 | MAPK3 (Erk1) | PDGFR alpha T674I | SGKL (SGK3) |
| BTK | EPHB4 | MAPK8 (JNK1)* | PDGFR alpha V561D | SRC |
| CaMKI delta | ERBB2 (HER2) | MAPK9 (JNK2)* | PDGFR beta | SRC N1 |
| CaMKII alpha | ERBB4 (HER4) | MAPK10 (JNK3)* | PDK1* | SRMS (Srm) |
| CaMKII beta | FER | MAPK11 (p38 beta) | PHKG1 | SRPK1 |
| CaMKII delta | FES (FPS) | MAPK12 (p38 gamma) | PHKG2 | SRPK2 |
| CaMKIV | FGFR1 | MAPK13 (p38 delta) | PIM1 | STK3 (MST2) |
| CDC42BPA (MRCKa) | FGFR2 | MAPK14 (p38 alpha)* | PIM2 | STK4 (MST1) |
| CDC42BPB (MRCKb) | FGFR3 | MAP2K1 (MEK1)* | PKA | STK22B (TSSK2) |
| CDK1/cyclin B | FGFR3 K650E | MAP2K2 (MEK2)* | PKC alpha | STK22D (TSSK1) |
| CDK2/cyclin A | FGFR4 | MAP2K6 (MKK6)* | PKC beta I | STK23 (MSSK1) |
| CDK5/p25 | FGR | MAP3K8 (COT)* | PKC beta II | STK24 (MST3) |
| CDK5/p35 | FLT1 (VEGFR1) | MAP3K9 (MLK1) | PKC delta | STK25 (YSK1) |
| CHEK1 (CHK1) | FLT3 | MAP4K2 (GCK) | PKC epsilon | SYK |
| CHEK2 (CHK2) | FLT3 D835Y | MAP4K4 (HGK) | PKC eta | TAOK2 (TAO1) |
| CLK1 | FLT4 (VEGFR3) | MAP4K5 (KHS1) | PKC gamma | TBK1 |
| CLK2 | FRAP1 (mTOR) | MAPKAPK2 | PKC iota | TEK (Tie2) |
| CLK3 | FRK (PTK5) | MAPKAPK3 | PKC theta | TYRO3 (RSE) |
| CSF1R (FMS) | FYN | MAPKAPK5 (PRAK) | PKC zeta | YES |
| CSK | GRK4 | MARK1 | PKN1 (PRK1) | ZAP70 |
| CSNK1A1 (CK1 alpha 1) | GRK5 | MARK2 | PLK1 | |
| CSNK1D (CK1 delta) | GRK6 | MATK (HYL) | PLK2 | |
| CSNK1E (CK1 epsilon) | GRK7 | MER | PLK3 | |
| CSNK1G1 (CK1 gamma 1) | GSK3 alpha | MET | PRKCN (PKD3) | |

* Indicates kinase assayed using cascade format

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