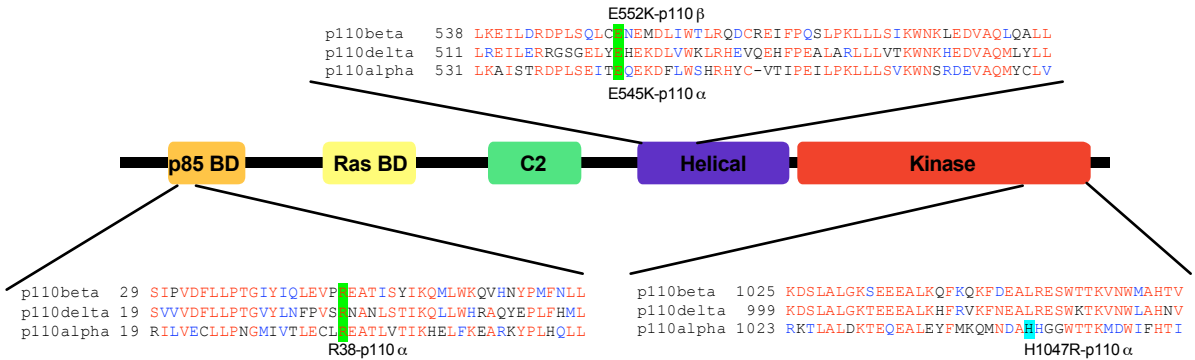
E552K-p110 β
p110beta 538 LKEILDRDPLSQLCFNEMDLIWTLRQDCREIFPQSLPKLLLSIKWNKLEDVAQLQALL
p110delta 511 LREILERRGSGELYDHEKDLVWKLRHEVQEHFPEALARLLLVTKWNKHEDVAQMLYLL
p110alpha 531 LKAISTRDPLSEITMQEKDFLWSHRHYC-VTIPEILPKLLLSVKWNSRDEVAQMYCLV
E545K-p110 α
p85 BD
Ras BD
C2
Helical
Kinase
p110beta 29 SIPVDFLLPTGIYIQLEVPEEATISYIKQMLWKQVHNYPMFNLL
p110delta 19 SVVVDFLLPTGVYLNFPVSNNANLSTIKQLLWHRAQYEPLFHML
p110alpha 19 RILVECLLPNGMIVTLECLREATLVTIKHELFKEARKYPLHQLL
R38-p110 α
p110beta 1025 KDSLALGKSEEEALKQFKQKFDEALRESWTTKVNWMAHTV
p110delta 999 KDSLALGKTEEEALKHFRVKFNEALRESWKTKVNWLAHNV
p110alpha 1023 RKTLALDKTEQEALEYFMKQMNDAHHGGWTTKMDWIFHTI
H1047R-p110 α