Fusion PTPRK-RSPO3 and Interaction TEK-PTPRK (Complex 4nn7):

Interaction complex 4nn7 chain C, from gene "PTPRK", has been found in the leading part of the PTPRK-RSPO3 fusion product

Interaction 4nn7

4nn7 Chain B TEK: 1-640 4nn7 Chain B PTPRK: 1-503 TEK: 1-640 PTPRK: 1-503 PTPRK: 504-576 TEK: 641-718 4nn7 Chain C PTPRK: 504-576 TEK: 641-718 4nn7 Chain C TEK: 719-1124 PTPRK: 577-1439 TEK: 719-1124 PTPRK: 577-1439



Complex: 4nn7

Chain: B

Length: 1 - 1124

Included in Interaction: 641 - 718

PTPRK

Chain: C

Length: 1 - 1439

Included in Interaction: 504 - 576

MAM: 36-193 <- Pfam domain split by fusion

I-set: 197-288 <- Pfam domain included in fusion product

fn3: 292-376 <- Pfam domain included in fusion product fn3: 493-583 <- Pfam domain included in fusion product

Y_phosphatase: 910-1140 <- Pfam domain included in fusion product

Y_phosphatase: 1200-1434 <- Pfam domain included in fusion product



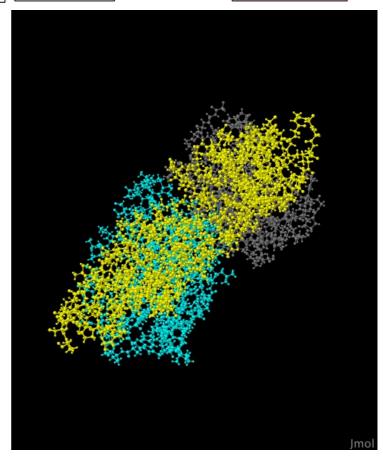
Mutation: COSF1312

PTPRK genomic breakpoint: 416 PTPRK AA breakpoint: 138

RSPO3 genomic breakpoint: 687 RSPO3 AA breakpoint: 229

Other interactions affected by fusion PTPRK-RSPO3

None



Fusion Effect



Reaction:

· Biological process not assigned.

Author Description:

· Cytokine receptor complex - Crystal form 2

Citation:

• http://europepmc.org/abstract/MED/24632570