Conceptual Translation of Human C4orf45 Transcript 1

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attagcaaccacctggtgcaggtcacaagcagggagaggaaagactgcagagtctttcgt 60
tctttctggtgcagcttaactgatttgaagaagccgaagaagaaaatccagtagcacggt 120  in-frame stop codon
taagactttagccatggcatctgtatcataccaaaagccaacatctactactgtgggaaa 180
            M  A  S  V  S  Y  Q  K  P  T  S  T  T  V  G  K  16  Yin-Yang Phos

acaaatgatttttacaggtccagactacataaaggattatttacccaaaattcatcagca 240  ex1|ex2
 Q  M {I  F  T [G  P  D  Y} I  K  D  Y  L  P  K  I  H  Q  H  36  [DUF4562]{FHA domain}Phos
                                                                  O-β-Glc
cacctcctatgtaggagaacagcatctggcgttagaaaaaactggagatctcagatattt 300
 T  S  Y  V  G  E  Q  H  L  A  L  E  K  T  G  D  L  R  Y  L  56  O-β-Glc helix
1

atggaggcctgcctcaaatagaagcttgccagcaaaatataaacatgagtacgtcagtga 360
 W  R  P  A  S  N  R  S  L  P  A  K  Y  K  H  E  Y  V  S  E  76  O-β-Glc Phos

aattggttggagaataccacagtataatttttatcaacaaatcaagactggggagtggctt 420
 I  G  W  R  I  P  Q  Y  N  F  I  N  K  S  R  L  G  S  G  F  96  helix 2

tcatatcaagtatgaagaactaagtcaagcttctcttgattcaataacccacagatatca 480  ex2|ex3
 H  I  K  Y  E  E  L  S  Q  A  S  L  D  S  I  T  H  R {Y  Q  116  helix 3{SH3 domain}SUMO
                                                                  Yin-Yang
aaacccatggcaaccaaaacctcatgtcctggatatgcaaggaaaacagagtcgcgcttc 540  ex3|ex4
 N  P  W  Q  P} K  P  H  V  L  D  M  Q  G  K  Q  S] R  A  S  136  helix 4 helix 5 Yin-Yang

ttttgcctggcatatgagtgctttcgaggacactgatcagagaaattccaaatgggctat 600
 F  A  W  H  M  S  A  F  E  D  T  D  Q  R  N  S  K  W  A  I  156  helix 6 helix 7 Yin-Yang

tcttgttaggcagtgtaagtcatcattgccaagagcttccaaaccacctaagctgccgaa 660
 L  V  R  Q  C  K  S  S  L  P  R  A  S  K  P  P  K  L  P  K  176  helix 8 Yin-Yang

gctaccaaaaaaggaaaagaaaaggaaacattaacctctaaatcagcataactcaacctg 720  ex4|ex5
 L  P  K  K  E  K  K  R  K  H  *                                 186  Nuclear localization signal SUMO
                ^  ^                                                  ^Acetylation
cttttagaaggagaaactgcctactactgtataacaaaaaataagatcataataatccac 780
aagtgcttctcatattgccccaggacagatgtcttgcaagagtacgcttcagcttaaagc 840
ccaataaacagtttggaaaaaaggtgttgtcagtctttgcaaccattaatattgtttca 900  polyA signal poly A site
tgaaactaattgttattgactatcatactaatagtagctgtttactgagtgcttataaca 960
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tac                                                              1263
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