PROKR2

```
                                                                                    R85H
                                                                                     ▼                                                  130
                                                                                                                                         |
PROKR2_human  MAAQNGNTSFTPNFNPPQDHASSLSFNFSYGDYDLPMDEDEDMTKTRTFFAAKIVIGIALAGIMLVCGIGNFVFIAALTRYKKLRNLTNLLIANLAISDFLVAIICCPFEMDYYVVRQLSWEHGHVLCAS
PROKR2_bovine MAAQNGNASFPANFSIPQEHASSLPFNFSYDDYDLPLDEDEDMTKTQTFFAAKIVIGVALVGIMLTCGIGNFVFITALTRYKKLRNLTNLLIANLAISDFLVAIICCPFEMDYYVVHQLSWEHGHVLCAC
PROKR2_mouse  MGPQNRNTSFAPDLNPPQDHVS---LNYSYGDYDLPLGEDEDVTKTQTFFAAKIVIGVALAGIMLVCGIGNFVFIAALARYKKLRNLTNLLIANLAISDFLVAIVCCPFEMDYYVVRQLSWAHGHVLCAS
PROKR2_rat    MGDQNGNTSFAPDLNPPQDHVSLLPLNYSYGDYDIPLDDDEDVTKTQTFFAAKIVIGVALAGIMLVCGVGNFVFIAALARYKKLRNLTNLLIANLAISDFLVAIVCCPFEMDYYVVRQLSWEHGHVLCAS
              *. ** *:**..::. **:*.*   :*:**.***:*:.:***:***:**********:**.****.**:******:**:*************************:***********:**** *******.

                                     R164Q   L173R   W178S                              Q210R
                                       ▼        ▼      ▼                                   ▼                                            260
                                                                                                                                         |
PROKR2_human  VNYLRTVSLYVSTNALLAIAIDRYLAIVHPLKPRMNYQTASFLIALVWMVSILIAIPSAYFATETVLFIVKSQEKIFCGQIWPVDQQLYYKSYFLFIFGVEFVGPVVTMTLCYARISRELWFKAVPGFQT
PROKR2_bovine INYLRTVSLYVSTNALLAIAIDRYLAIVHPLKPRMNYQTASFLIALVWMVSILISIPSAYFTKETVLFIVKNQKKIFCGQVWPVDQQLYYKSYFLFVFGIEFLGPVFTMTLCYARISRELWFKAVPGFQT
PROKR2_mouse  VNYLRTVSLYVSTNALLAIAIDRYLAIVHPLKPRMNYQTASFLIALVWMVSILIAVPSAYFTTETILVIVKNQEKIFCGQIWSVDQQLYYKSYFLFVFGLEFVGPVVTMTLCYARISQELWFKAVPGFQT
PROKR2_rat    VNYLRTVSLYVSTNALLAIAIDRYLAIVHPLK-RMNYQTASFLIALVWMVSILIAIPSAYFTTETILVIVKNQEKLFCGQIWPVDQQLYYKSYFLFVFGLEFVGPVVTMTLCYARISQELWFKAVPGFQT
              :******************************* *********************::*****:.**:*.***.*:*:****:*.*************:**:**:***.**********:************

                  R268C                P290S                               M323I    V331M
                   ▼                    ▼                                   ▼        ▼                                    380
                                                                                                                           |
PROKR2_human  EQIRKRLRCRRKTVLVLMCILTAYVLCWAPFYGFTIVRDFFPTVFVKEKHYLTAFYVVECIAMSNSMINTVCFVTVKNNTMKYFKKMMLLHWRPSQRGSKSSADLDLRTNGVPTTEEVDCIRLK
PROKR2_bovine EQIRKRLRCRRKTVLVLMCILTAYVLCWAPFYGFTIVRDFFPTVFVKEKHYLTAFYVVECIAMSNSMINTVCFVTVKNSTMKYFKKMLLLHWRPSHHGSKSSADLDLKTSRLPATEEVDCIRLK
PROKR2_mouse  EQIRKRLRCRRKTVLLLMGILTAYVLCWAPFYGFTIVRDFFPTVVVKEKHYLTAFYVVECIAMSNSMINTICFVTVKNNTMKYFKKMLRLHWRPSHYGSKSSADLDLKTSGVPATEEVDCIRLK
PROKR2_rat    EQIRKRLRCRRKTVLLLMGILTAYVLCWAPFYGFTIVRDFFPTLVVKEKHYLTAFYVVECIAMSNSMINTICFVTVKNNTMKYFKKMLLLHWRPSHYGSKSSADLDLKTSGVPATEEVDCIRLK
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PROK2

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                                  G32R                                         R73C
                                   ▼                                            ▼                                        120
                                                                                                                          |
PROK2_human   MRSLCCAPLLLLLLLPPLLLTPRAGDAAVITGACDKDSQCGGGMCCAVSIWVKSIRICTPMGKLGDSCHPLTRKNNFGNGRQERRKRKRSKRKKEVPFFGRRMHHTCPCLPGLACLRTSFNRFICLAQK
PROK2_bovine  MRSSRCARLLLLLLLPPLLLTPPAGDAAVITGACDRDPQCGGGMCCAVSLWVKSIRICTPMGKVGDSCHPMTRKNHFGNGRQERRKRKR-RRKKKVPFLGRRMHHTCPCLPGLACSRTSFNRYTCLAQK
PROK2_mouse   MGDPRCAPLLLLLLLP-LLFTPPAGDAAVITGACDKDSQCGGGMCCAVSIWVKSIRICTPMGQVGDSCHPLTRKSHVANGRQERRRAKRRKRKKEVPFWGRRMHHTCPCLPGLACLRTSFNRFICLARK
PROK2_rat     MEDPRCAPLLLLLLLP-LLLTPPAGDAAVITGACDKDSQCGGGMCCAVSIWVKSIRICTPMGQVGDSCHPLTRKSHVANGRQERRRAKRRKRKKEVPFWGRRMHHTCPCLPGLACLRTSFNRFICLARK
              * .  ** ******** **:** ************:*.***********:************::******:***.:..*******: ** :***:*** **************** ******: ***:*
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