

**Sequence of the human adenovirus type 3 protease**

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Adenoviruses code for a chymotrypsin-like endoprotease specific for particular Gly-Ala bonds in several viral coded precursor proteins (1,2). To determine the conserved domains of this enzyme we are sequencing the gene in prototype viruses from different subgroups (3,4). Here we report a 1273 nucleotide sequence which includes the 208 amino acid (23,775 daltons) protease gene (\*, translation start and stop) of Ad3, a member of subgroup B. Both strands were sequenced in M13 clones, the 1-strand being presented.

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1    ACCCAGCCAATTATCCATAACCGCTCATCGGAACTACTGCCGTTAACAGTGTCAACCCAGAAAAAGTTCTGTG
74   CGACAGGACCAGTGGCGCATCCCTTCAGCAACTTCATGTCCATGGGGCCCTTACCGACCTGGACAG
147  AACATGCTCTATGCCAACTCAGCCATGCGCTGGACATGACTTTGAGGTGGATCCATGGATGAGCCCACCC
220  GCTTTATCTCTTTCGAAGTCTTCGACGTGGCAGAGTGCACCAGCCACACCGGGCGTCATCGAGGCCGTC
293  TACCTGGCACACCGTTCTGGCCGGCAAGCCACACATAAGAAGCTCTTGCTTCTGCAAGCAGCAGCTG
366  CAGCCATGACATGGGGTCCGAAACGGCTCCAGCGAGAAGCTAAAGCCATCGTCCAGACCTGGCTG
*          *
439  CGGACCCATTTCCTGGAACCTTGACAAGCGTTCCCGGGGTTATGGCCCCCGACAAGCTGCCCTGGCC
512  ATAGTCACAACTGCGGACGCGAGACGGGGGAGAGCACTGGCTGGCTTTGGTTGAAACCCGGCTACAAACA
585  CCTGCTACCTTTTGATCCTTGGTTCTGGATGAGCGCTCAAACAGATTACCAAGTTGAGTACGAGGG
658  GCTCCTGCGTCGAGTCGCTTGTACCAAAGACCGCTGCATCACCTGGAGAAGTCTACCCAAAGCGTCAG
731  GGTCCGCGCTCAGCCGCTGTGGACTTTTGCTGTATGTTCTTCATGCCCTTGTGACTGGCCGACCGCC
804  CCATGGACGAAACCCACCATGAAGTTGGACTGGGTGTCAAACAGCATGCTCAATACCCAAAGTCCA
877  GCCCACCCCTGCGCCGCAACCAGGAGGTGCTATACCGCTTCTAAACACCCACTCATCTTACCTTCGTTCA
950  CGCGCGGCATTGAAAGGGCCACCGCGTTGACCGTATGGATATGCAATAAGTCATGAAAACCGTGTCAAT
*          *
1023 AAACAGCACTTATTTTACATGCACTGAGGCTCTGGTTGCTCATTTGTTCATCATTACTCAGAAAGTCG
1096 AATGGGTTCTGGCGGGAGTCAGAGTGACCCGGCAGGGATACTTGCAGGAACGTAACTGTTCTGCCACT
1169 TGAACCTGGGATTACCAAGCTTGGAACTGGAATCTGGAAAGGTGTTCTGCCACAACCTTGTTGAGTTG
1242 CATAGCGCCAAGCAGGTCAAGGACAGAGATCT

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