



COPA (NM_004371.4) - cDNA - 2024-05-17

GTCGCTGACG TGGAGGCGTC CGAAGGGCAG CAGGGTGTGT CGGGGCTCGG -31
ATTAAGACAT CGGAGTCGGA GACCTGAGAG ATGTTAACCA AATTCGAGAC 20
CAAGAGCGCG CGGGTCAAAG GGCTCAGCTT TCACCCCAA AGACCTTGGA 70
TCCTGACTAG TTTACATAAT GGGGTCATCC AGTTATGGGA CTATCGGATG 120
TGCACCTCTCA TTGACAAGTT TGATGAACAT GATGGTCCAG TGCGAGGCAT 170 [p.G56S](#)
TGACTTCCAT AAGCAGCAGC CACTGTTCGT CTCTGGAGGA GATGACTATA 220
AGATTAAGGT TTGGAATTAC AAGCTTCGGC GCTGTCTTTT CACATTGCTT 270
GGGCACTTAG ATTATATTCG CACCACGTTT TTTTCATCATG AATATCCCTG 320
GATTCTGAGT GCCTCCGATG ATCAGACCAT CCGAGTGTGG AACTGGCAAT 370
CTAGAACCTG TGTTTGTGTG TTAACAGGGC ACAACCATTG TGTGATGTGT 420
GCTCAGTTCC ACCCCACAGA AGACTTGGA GTATCAGCCA GCCTGGACCA 470
GACTGTGCGC GTTTGGGATA TTTCTGGTCT GAGGAAAAAA AACCTGTCCC 520
CTGGTGCGGT GGAATCGGAT GTGAGAGGAA TAACTGGGGT TGATCTATTT 570
GGAACACAG ATGCAGTGGT GAAGCATGTG CTAGAGGGTC ACGATCGTGG 620 [p.H199R](#)
AGTAACTGG GCTGCCTTCC ACCCCACTAT GCCCCTTATT GTATCTGGGG 670 [p.A211V](#)
CAGATGATCG TCAAGTGAAG ATCTGGCGCA TGAATGAATC AAAGGCATGG 720 [p.R227C](#) [p.K230N](#) [p.R233H](#) [p.R233L](#) [p.K238E](#) [p.A239P](#) [p.W240R](#) [p.W240L](#) [p.W240S](#)
GAGGITGATA CCTGCCGGGG CCATTACAAC AATGTATCTT GTGCCGTCTT 770 [p.E241K](#) [p.E241A](#) [p.V242G](#) [p.D243N](#) [p.D243G](#)
CCACCCTCGC CAAGAGTIGA TCCTCAGCAA TTCTGAGGAC AAGAGTATTC 820 [L263S](#)
GAGTCTGGGA TATGTCTAAG CGGACTGGGG TTCAGACTTT CCGCAGAGAC 870 [p.R281W](#) [p.Q285H](#)
CATGATCGTT TCTGGGTCCT AGCTGCTCAC CCTAACCTTA ACCTCTTTGC 920
AGCAGGCCAT GATGGTGGTA TGATTGTGTT TAAGCTGGAA CGGGAACGGC 970
CAGCCTATGC TGTTCATGGC AATATGCTAC ACTATGTCAA GGACCGATTC 1020 [p.R339Q](#)

TTACGACAGC TGGATTTCAA CAGCTCCAAA GATGTAGCTG TGATGCAGTT 1070
 GCGGAGTGGT TCCAAGTTTC CAGTATTCAA TATGTCATAC AATCCAGCAG 1120 [p.Y370S](#)
 AAAATGCAGT CCTGCTTTGT ACAAGAGCTA GCAATCTAGA GAATAGTACC 1170
 TATGACCTGT ACACCATCCC TAAAGATGCT GACTCCCAGA ATCCTGATGC 1220
 GCCTGAAGGG AAACGATCCT CAGGCCTGAC AGCCGTTTGG GTCGCTCGAA 1270 [p.P408S](#)
 ATCGGTTTGC TGTCTAGAT CGGATGCATT CGTTCTGAT CAAGAATCTG 1320
 AAGAATGAGA TCACCAAAAA GGTACAGGTG CCCAACTGTG ATGAGATCTT 1370
 CTATGCTGGC ACAGGCAATC TCCTGCTTCG AGATGCGGAC TCTATCACAC 1420
 TCTTTGACGT ACAGCAGAAG CGGACTCTGG CATCTGTGAA GATTTCTAAA 1470
 GTGAAATACG TTATCTGGTC AGCAGACATG TCACATGTAG CACTACTAGC 1520
 CAAACACGCC ATTGTGATCT GTAACCGCAA ACTGGATGCT TTATGTAACA 1570 [p.D519Y](#)
 TTCATGAGAA CATTCTGTGC AAGAGTGGGG CCTGGGATGA GAGTGGGGTA 1620
 TTTATCTATA CCACAAGCAA CCACATCAAA TATGCTGTCA CCACTGGGGA 1670
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 CTATTATTGC TTATCTCCAG AAGAAGGGCT ATCCTGAAGT GGCAGTGCAT 1920
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 CATTGAGATT GCTCTGGAAG CAGCCAAAGC ACTGGATGAC AAGAACTGCT 2020
 GGGAAAAGCT GGGAGAAGTG GCCCTGCTGC AGGGGAACCA CCAGATTGTG 2070
 GAAATGTGCT ATCAGCGTAC CAAAACTTT GACAACTTT CCTTCCTGTA 2120 [T697I](#)
 TCTTATCACT GGCAACTTAG AAAAATTTCG CAAGATGATG AAGATTGCTG 2170
 AGATCAGAAA GGACATGAGT GGCCACTATC AGAATGCCCT ATACCTGGGT 2220
 GATGTGTCAG AGCGTGTGCG GATCCTGAAG AACTGTGGAC AGAAGTCCCT 2270
 GGCCTATCTC ACAGCTGCTA CCCATGGCTT AGATGAAGAA GCTGAGAGCC 2320
 TAAAGGAGAC ATTTGACCCA GAGAAGGAGA CAATCCCAGA CATTGACCCT 2370
 AATGCCAAGC TGCTCCAGCC ACCTGCACCT ATCATGCCAT TGGATACCA 2420 [p.Asn807Thr](#)

TTGGCCTTTA TTGACTGTAT CCAAAGGATT TTTTGAAGGC ACCATTGCCA 2470
 GCAAAGGGAA GGGAGGAGCA CTGGCTGCTG ACATTGACAT TGACACTGTT 2520 [p.G828E](#)
 GGTACAGAGG GCTGGGGAGA GGATGCAGAG CTGCAGTTGG ATGAAGATGG 2570 [G844D](#)
 GTTTGTGGAG GCTACAGAAG GTTTGGGGGA TGATGCTCTT GGCAAGGGAC 2620
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 GGGCTGAAGA ATGGTGTACC AGCTGTGGGC CTGAAGCTTA ATGACCTCAT 3020
 CCAACGGTTG CAGCTGTGCT ACCAGCTCAC CACAGTTGGC AAATTTGAGG 3070 [p.C1013S](#)
 AGGCTGTGGA AAAATTCCGT TCCATCCTTC TCAGTGTGCC ACTTCTTGTT 3120
 GTGGACAATA AACAAGAGAT TGCAGAGGCC CAGCAGCTCA TCACCATTTG 3170
CGTGAGTAC ATTGTGGGTT TGTCCGTGGA GACAGAAAGG AAGAAGCTGC 3220 [p.R1058C](#)
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 TTCACCCACT CAAACCTGCA GCCTGTGCAC ATGATCCTGG TGCTGCGTAC 3320
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GACTACAGTT GTGCTCATAA TTGTCCTTGC CTTTCCAGCT TAATTATTTT *245
AAGGAACAAA TGAAACTCT GGGCTGGGTG GAGTGGCTCA TACCTGTAAT *295
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AAAATTAGCC TGGCATGGTA GCATGCGCCT ATAGTCCCAG CTGCTCAGGA *445
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ATATGCTAAG AATAATTGGG TAGAGTGACA TTAAGTGCC TTCGATTAAT *1495
ATAAGTACTT TTTTGCGTGT TAAATTCATG TTTTCAATAA ATAATAAATG *1545

CATATAGTTG AAAAATCA

COPA (NM_004371.4) - cDNA - 2024-05-17

