

Reference sequence acid α -glucosidase cDNA

identical to Y00839 but A of start codon ATG is counted as number 1

-219	CAGTTGGGAA	AGCTGAGGTT	GTCGCCGGGG	CCGCGGGTGG	AGGTCGGGGA	TGAGGCAGCA	
-159	GGTAGGACAG	TGACCTCGGT	GACGCGAAGG	ACCCCGGCCA	CTCTAGGTT	CTCCTCGTCC	
- 99	GCCCCTGTGT	CAGCGAGGGA	GGCTCTGGGC	CTGCCGAGC	TGACGGGGAA	ACTGAGGCAC	
- 39	GGAGCGGGCC	TGTAGGAGCT	GTCCAGGCCA	TCTCCAACCA	A TCGGAGTGAG	GCACCCGCCC	start ATG
22	TGCTCCACC	GGCTCCATGGC	CGTCTGCACC	CTCGTGTCTC	TGGCAACCCG	TGCATCTCTG	
82	GGGCACATCC	TACTCCATGA	TTTCTCTGCTG	GTTCCTCCGAG	AGCTGAGTGG	CTCCTCCCCA	
142	GTCCCTGGAGG	AGACTCACCC	AGCTCACCAG	CAGGGAGCCA	GCAGACCAGG	GCCCCGGGAT	
202	GCCCAGGCAC	ACCCCGGCCG	TCCCAGAGCA	GTGCCACAC	AGTGCACAGT	CCCCCCAAAC	
262	AGCCGCTTCG	ATTGCGCCCC	TGACAAGGCC	ATCACCCAGG	AACAGTGCAG	GGCCCGCGGC	
322	TGCTGCTACA	TCCCTGCAAA	GCAGGGGCTG	CAGGGAGCCC	AGATGGGGCA	GCCCTGGTGC	
382	TTCTTCCAC	CCAGCTACCC	CAGCTACAAG	CTGGAGAACC	TGAGCTCCTC	TGAAATGGGC	
442	TACACGGCCA	CCCTGACCCG	TACCACCCCC	ACCTTCTTCC	CCAAGGACAT	CCTGACCCCTG	
502	CGGCTGGACG	TGATGATGGA	GACTGAGAAC	CGCCTCCACT	TCAC GA TCAA	AGATCCAGCT	2 GA 3
562	AACAGGCGCT	ACGAGGTGCC	CTTGGAGACC	CCGCGTGTCC	ACAGCCGGGC	ACCGTCCCCA	
622	CTCTACAGCG	TGGAGTTCTC	CGAGGAGCCC	TTCGGGGTGA	TCGTGCACCG	GCAGCTGGAC	
682	GGCCGCGTGC	T CTGAACAC	GACGGTGGCG	CCCCTGTTCT	TTGCGGACCA	GTTCCTTCAG	3 TC 4
742	CTGTCCACCT	CGCTGCCCTC	GCAGTATATC	ACAGGCCTCG	CCGAGCACCT	CAGTCCCCTG	
802	ATGCTCAGCA	CCAGCTGGAC	CAGGATCACC	CTGTGGAACC	GGGACCTTGC	GCCCA CC	4 GC 5
862	GGTGCGAACC	TCTACGGGTC	TCACCCTTTC	TACCTGGCGC	TGGAGGACGG	CGGGTCGGCA	
922	CACGGGTGT	TCCTGCTAAA	CAGCAATGCC	ATG GA TGTGG	TCCTGCAGCC	GAGCCCTGCC	5 GA 6
982	CTTAGCTGGA	GGTCGACAGG	TGGGATCCTG	GATGTCTACA	TCTTCCTGGG	CCCAGAGCCC	
1042	AAGAGCGTGG	TGCAGCAGTA	CCTGGACGTT	GTG GA TATACC	CGTTTCATGCC	GCCATACTGG	6 GG 7
1102	GGCCTGGGCT	TCCACCTGTG	CCGCTGGGGC	TACTCCTCCA	CCGCTATCAC	CCGCCAGGTG	
1162	GTGGAGAACA	TGACCAGGGC	CCACTTCCCC	CT GA ACGTCC	AATGGAACGA	CCTGGACTAC	7 GG 8
1222	ATGGACTCCC	GGAGGGACTT	CACGTTCAAC	AAGGATGGCT	TCCGGGACTT	CCCAGCCATG	
1282	GTGCAGGAGC	TGCACCAGGG	CGGCCGGCGC	TACATGATGA	TCGT GA TATCC	TGCCATCAGC	8 GG 9
1342	AGCTCGGGCC	CTGCCGGGAG	CTACAGGCC	TACGACGAGG	GTCTGCGGAG	GGGGTTTTTC	
1402	ATACCAACG	AGACCGGCCA	GCCGCTGATT	GGAA GA TAT	GGCCCGGGTC	CACTGCCTTC	9 GG 10
1462	CCCAGTTCA	CCAACCCAC	AGCCCTGGCC	TGGTGGGAGG	ACATGGTGGC	TGAGTTCCAT	
1522	GACCAGGTGC	CCTTCGACGG	CATGTGGAT T	G ACATGAACG	AGCCTTCCAA	CTTCATCAGA	10 TG 11
1582	GGCTCTGAGG	ACGGCTGCC	CAACAATGAG	CTGGAGAACC	CACCCTACGT	GCCT GG GGTG	11 GG 12
1642	GTTGGGGGA	CCCTCCAGGC	GGCCACCATC	TGTGCCCTCA	GCCACCAGTT	TCTCTCCACA	
1702	CACTACAACC	TGCACAACCT	CTACGGCCTG	ACCGAAGCCA	TCGCCTCCCA	CA GG GCGCTG	12 GG 13
1762	GTGAAGGCTC	GGGGGACACG	CCCATTGTG	ATCTCCCGCT	CGACCTTTCG	TGGCCACGGC	
1822	CGATACGCGG	GCCACTGGAC	GGGGGACGTG	TGGAGCTCCT	GGGAGCAGCT	CGCCTCCTCC	
1882	GTGCCA GA AA	TCCTGCAGTT	TAACCTGCTG	GGGGTGCCTC	TGGTCCGGGC	CGACGTCTGC	13 GA 14
1942	GGCTTCCTGG	GCAACACCTC	AGAGGAGCTG	TGTGTGCGCT	GGACCCAGCT	GGGGGCCTTC	
2002	TACCCCTTCA	TGCGGAACCA	CAACAGCCTG	CTCAGTCT CC	CCCAGGAGCC	GTACAGCTTC	14 CC 15
2062	AGCGAGCCGG	CCCAGCAGGC	CATGAGGAAG	GCCCTCACCC	TGCGCTACGC	ACTCCTCCCC	
2122	CACCTCTACA	CACGTGTCCA	CCAGGCCAC	GTCGCGGGGG	AGACCGTGGC	CCGGCCCCTC	
2182	TTCTTGG AG TT	TCCCCAAGGA	CTCTAGCACC	TGGACTGTGG	ACCACCAGCT	CCTGTGGGGG	15 AG 16
2242	GAGGCCCTGC	TCATCACCCC	AGTGCTCCAG	GCCGGGAAGG	CCGAAGTGAC	TGGCTACTTC	
2302	CCCTTGGGCA	CATGGTACGA	CCTGCAGAC G	G TGCCAATAG	AGGCCCTTGG	CAGCCTCCCA	16 GG 17
2362	CCCCACCCTG	CAGCTCCCCG	TGAGCCAGCC	ATCCACAGCG	AGGGGCAGTG	GGTGACGCTG	
2422	CCGGCCCCCC	TGGACACCAT	CAACGTCCAC	CTCCGGGCTG	GGTACATCAT	CCCCTGCA G	17 GG 18
2482	G GCCCTGGCC	TCACAACCAC	AGAGTCCCGC	CAGCAGCCCA	TGGCCCTGGC	TGTGGCCCTG	
2542	ACCAAGGGTG	GAGAGGCCCG	AGGGGAGCTG	TTCTGGGACG	ATGGAGAGAG	CCTGGAAGTG	
2602	CTGGAGCGAG	GGGCTACAC	ACAGGTCATC	TTCTTGGCCA	GGAA TA ACAC	GATCGTGAAT	18 TA 19
2662	GAGCTGGTAC	GTGTGACCAG	TGAGGGAGCT	GGCCTGCAGT	TGCAGAAGGT	GACTGTCTCTG	
2722	GGCGTGGCCA	CGGCCCCCCA	GCAGGTCCCT	TCCAACGGTG	TCCCTGTCTC	CAACTTCACC	
2782	TACAGCCCCG	ACACCA GG TT	CCTGGACATC	TGTGTCTCGC	TGTTGATGGG	AGAGCAGTTT	19 GG 20
2842	CTCGTCAGCT	GGTGT TAG CC	GGGCGGAGTG	TGTTAGTCTC	TCCAGAGGGA	GGCTGGTTCC	stop TAG
2902	CCAGGGAAGC	AGAGCCTGTG	TGCGGGCAGC	AGCTGTGTGC	GGCCCTGGGG	GTTGCATGTG	
2962	TCACCTGGAG	CTGGGCACTA	ACCATTCCAA	CCCGCCGCAT	CGTTGTTTTC	CACCTCCTGG	
3022	GCCGGGGCTC	TGGCCCCCAA	CGTGTCTAGG	AGAGCTTTCT	CCCTAGATCG	CACCTGTGGC	
3082	CGGGCCCTGG	AGGGCTGCTC	TGTGTTAATA	AGATTGTAAG	GTTTGCCCTC	CTCACCTGTT	
3142	GCCGGCATGC	GGGTAGTATT	AGCCACCCCC	CTCCATCTGT	TCCCAGCACC	GGAGAAGGGG	
3202	GTGCTCAGGT	GGAGGTGTGG	GGTATGCACC	TGAGCTCCTG	CTTCGCGCCT	GCTGCTCTGC	
3262	CCCAACCGCA	CCGCTTCCCG	GCTGCCCAGA	GGGCTGGATG	CCTGCCGGTC	CCCGAGCAAG	
3322	CCTGGGAAC	CAGGAAAATT	CACAGGACTT	GGGAGATTCT	AAATCTTAAG	TGCAATTATT	
3382	TTAATAAAAG	GGGCATTTGG	AATC				