

PEROXIDASE GENE OF MICROBIAL ORIGIN

ABSTRACT OF THE DISCLOSURE

A peroxidase gene derived from Arthromyces of the following nucleotide sequence:

5 z-CA
GGGTCCTGGAGGAGGAGGCGGGTCAGTCACTTGCCCGGGTGGACAGTCCACTTCGAACAG
CCAGTGCTGCGTCTGGTTCGACGTTCTAGACGATCTTCAGACCAACTTCTACCAAGGGTC
CAAGTGTGAGAGCCCTGTTTCGCAAGATTCTTAGAATTGTTTTCCATGACCGGATCGGATT
TTCGCCGGCGTTGACTGCTGCTGGTCAATTTCGGTGGTGGAGGAGCTGATGGCTCCATCAT
10 TGCGCATTCGAACATCGAATTGGCCTTCCCGGCTAATGGCGGGCCTCACCGACACCATCGA
AGCCCTCCGCGCGGTCCGGTATCAACCACGGCGTCTCTTTCGGCGATCTCATCCAATTCCG
CACTGCCGTCGGCATGTCCAAGTCCCTGGCTCTCCTCGACTTGAGTTCTTGACGGGAAG
AAGCAACAGTTCCCAGCCCTCCCTCCTTCGCTGATCCCGGGTCCTGGAAACACTGTCAC
TGCTATCTTGGATCGTATGGGCGATGCAGGCTTCAGCCCTGATGAAGTCGTTGACTTGCT
15 TGCTGCGCATAGTTTGGCTTCTCAGGAAGGTTTGAAGTCCGGCTATTTTCAGGTCGCCTTT
GGACTCGACCCCTCAAGTTTTCGATACCCAGTTCTATATCGAGACCTTGCTCAAGGGAAC
CACTCAGCCCGGACCCTCTCTCGGCTTTGCAGAGGAGCTCTCCCCCTTCCCTGGTGAAAT
CCGCATGAGGTCCGACGCTCTCTTGGCTCGCGACTCCCGAACCGCCTGCCGATGGCAATC
CATGACCAGCAGCAATGAAGTTATGGGCCAGCGATACCGCGCCGCCATGGCCAAGATGTC
20 TGTTCTCGGCTTCGACAGGAACGCCCTCACCGATTGCTCTGACGTTATTCTTCTGCTGT
GTCCAACAACGCTGCTCCTGTTATCCCTGGTGGCCTTACTGTGATGATATTGAGGTTTC
GTGCCCGAGCGAGCCTTTCCCTGAAATTGCTACCGCCTCAGGCCCTCTCCCCCTCCCTCGC
TCCTGCTCCT

20 wherein Z represents either nothing or a nucleotide
sequence encoding a substantially identical biological
activity thereof,

ATGAAGCTCTCGCTTTTCTCCACCTTCGCTGCTGTCATCATCGGTGCTCTCGCTCTCCCC

and a process for producing a peroxidase by said gene were
provided.

