

Laccase-12 (LAC12), Recombinant Protein

Cat RP05395

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Laccase-12 (LAC12) , partial

Product Gene Name

LAC12 recombinant protein

Product Synonym Gene Name

LAC12

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

62,734 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Laccase

NCBI Accession

NP_196158.1

NCBI GI

15239103

NCBI GenBank Nucleotide

NM_120621.2

NCBI GeneID

830421

NCBI Official Full Name

laccase 12

NCBI Official Symbol

LAC12

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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K18I23.20; K18I23_20; laccase 12

NCBI Protein Information

laccase 12

NCBI Summary

putative laccase, a member of laccase family of genes (17 members in Arabidopsis).

UniProt Gene Name

LAC12

UniProt Protein Name

Laccase-12

UniProt Synonym Protein Names

Benzenediol:oxygen oxidoreductase 12; Diphenol oxidase 12; Urishiol oxidase 12

UniProt Primary Accession

Q9FLB5

UniProt Related Accession

Q9FLB5

UniProt Comments

Lignin degradation and detoxification of lignin-derived products.

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