

Cytochrome P450 99A2 (CYP99A2), Recombinant Protein

Cat *RP13729*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Cytochrome P450 99A2 (CYP99A2)

Product Gene Name

CYP99A2 recombinant protein

Purity

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

Sequence

MQFFAKQNCQ VNLLTNNPSS NPRFIMEINS AATLTLVSLT TLPILLALLT RKSSSKKRRP PGPWNLPLVG
GLLHLLRSHP QVALRELASK YGPVMFLRMG QIDTVVSSP AAAQEVLRDK DVMFASRPSL LVSEIFCYDN
LDVGFAPYGA YWRMLRKLCT VELLSTKVVR QLAPVRNDET LTLVRNIKAA SSGHGGGGGK KPVTLARLLT
TCTNTITAKA AFGQACGVEL QEQFLTALDV GLKFSGGFCF GDLFPSLRFI DAMTGLRSRL WRARGQLDSV
FDKIIAQCEE HQGDSLNVNL LRIRDQGDLE FPFGTTNIKA IILDMFTGGT ETTSSAAEWV MSELMRNPEV
MAKVQAEVRR VFDNKSPQDH EGLIDNLRYM KMKVIMETMRL NPVLP LLMPH LCRETCDIGG YEVEGTRVV
INSWAMARSP EYWDDAEFEK PERFEDGMAD YKGSRFEYLP FGTGRRRCPG DTFGMVLEL IVARLLYYFD
WSLPAGMQPD DVDMDVFVTA TTRRKNHLQL VASPYKLAPI QI

Sequence Positions

1-532aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

59,533 Da

Storage

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

Protein Family

Cytochrome

NCBI Accession

XP_015633968.1

NCBI GI

1002259280

NCBI GenBank Nucleotide

XM_015778482.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID

4335096

NCBI Official Full Name

cytochrome P450 99A2

NCBI Official Symbol

LOC4335096

NCBI Official Synonym Symbols

CYP99A2

NCBI Protein Information

cytochrome P450 99A2; LOC_Os04g10160; OSJNBa0027O01.2; OSJNBa0052P16.24; Os04g0180400

UniProt Gene Name

CYP99A2

UniProt Protein Name

Cytochrome P450 99A2

UniProt Entry Name

C99A2_ORYSJ

UniProt Primary Accession

Q7X7X4

UniProt Related Accession

Q7X7X4

UniProt Comments

Involved in momilactone phytoalexins biosynthesis. Participates in the biosynthetic steps between 9-beta-pimara-7,15-diene and 3-beta-hydroxy-9-beta-pimara-7,15-dien-19,6-beta-olide.

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