

L-ornithine N(5)-monooxygenase (pvdA) Recombinant Protein | pvdA recombinant protein

Recombinant Pseudomonas aeruginosa L-ornithine N(5)-monooxygenase (pvdA)

CATALOG # AAA116626	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

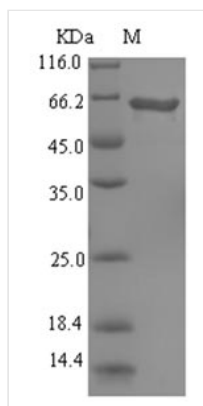
PRODUCT SYNONYMS

L-ornithine N(5)-monooxygenase (pvdA); Recombinant Pseudomonas aeruginosa L-ornithine N(5)-monooxygenase (pvdA); L-ornithine N(5)-hydroxylase; L-ornithine N(5)-oxygenase; Pyoverdin biosynthesis protein A; pvdA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-443. Full Length
Sequence	MTQATATAVV HDLIGVGFGP SNIALAIALQ ERAQAQGALE VLFLDKQGDY RWHGNTLVSQ SELQISFLKD LVSLRNPTSP YSFVNYLHKH DRLVDFINLG TFYPCRMEFN DYLRWVASHF QEQRSGYGEV LRIEPLMSAG QVEALRVISR NADGEELVRT TRALVVSPGG TPRIQVFRA LKGDGRVFHH SQYLEHMAKQ PCSSGKPMKI AIIGGGQSAA EAFIDLNSY PSVQADMILR ASALKPADDS PFVNEVFAPK FTDLIYSREH AERERLLREY HNTNYSVVDI DLIERYGVF YRQKVGIPR HAFRCMTTVE RATATAQGIE LALRDAGSGE LSVETYDAVI LATGYERQLH RQLEPLAEY LGDHEIGRDY RLQTDERCKV AIYAQGFSA SHGLSDTLLS VLPVRAEEIS GSLYQHLKPG TAARALHEHA LAS
Species	Pseudomonas aeruginosa (strain # 15692 / PAO1 / 1C / PRS 101 / LMG 12228)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for pvdA recombinant protein

Catalyzes the conversion of L-ornithine to N(5)-hydroxyornithine, the first step in the biosynthesis of all hydroxamate-containing siderophores, such as pyoverdin. Pyoverdin is a hydroxamate siderophore composed of a 6,7-dihydroxyquinoline-containing fluorescent chromophore joined to the N-terminus of a partly cyclic octapeptide (D-Ser-L-Arg-D-Ser-L-N(5)-OH-Orn-L-Lys-L-N(5)-OH-Orn-L-Thr-L-Thr in strain PAO1). Specific for NADPH, which plays a role in stabilization of the C4a-hydroperoxyflavin intermediate.

References	"Cloning and nucleotide sequence of the pvdA gene encoding the pyoverdinin biosynthetic enzyme L-ornithine N5-oxygenase in Pseudomonas aeruginosa." Visca P., Ciervo A., Orsi N. J. Bacteriol. 176:1128-1140(1994)
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	15597582
NCBI GeneID	882167
NCBI Accession #	NP_251076.1
NCBI GenBank Nucleotide #	NC_002516.2
UniProt Accession #	Q51548
Molecular Weight	65.5 kDa
NCBI Official Full Name	L-ornithine N5-oxygenase
NCBI Official Symbol	pvdA
NCBI Protein Information	L-ornithine N5-oxygenase
UniProt Protein Name	L-ornithine N(5)-monooxygenase
UniProt Gene Name	pvdA
UniProt Synonym Gene Names	Ornithine hydroxylase
UniProt Entry Name	PVDA_PSEAE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/pvda-recombinant-protein-e-coli/116626>