

Bifunctional cytochrome P450/NADPH--P450 reductase (cyp102A1) Recombinant Protein | CYP102A1 recombinant protein

Recombinant Bacillus megaterium Bifunctional cytochrome P450/NADPH--P450 reductase (cyp102A1), partial

CATALOG # AAA114858	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Bifunctional cytochrome P450/NADPH--P450 reductase (cyp102A1); Recombinant Bacillus megaterium Bifunctional cytochrome P450/NADPH--P450 reductase (cyp102A1); partial; Bifunctional P-450/NADPH-P450 reductase; Cytochrome P450(BM-3); Cytochrome P450BM-3; Including the following 2 domains;; Cytochrome P450 102; EC=1.14.14.1; NADPH--cytochrome P450 reductase; EC=1.6.2.4; CYP102A1 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	2-472aa; Partial
Sequence	TIKEMPQPKT FGELKNLPLL NTDKPVQALM KIADELGEIF KFEAPGRVTR YLSSQRLIKE ACDESFRFDKN LSQALKFVRD FAGDGLFTSW THEKNWKAH NILLPSFSQQ AMKGYHAMMV DIAVQLVQKW ERLNADEHIE VPEDMTRLTL DTIGLCGFNY RFNSFYRDQP HPFITSMVRA LDEAMNKLQR ANPDDPAYDE NKRQFQEDIK VMNDLVDKII ADRKASGEQS DLLLTHMLNG KDPETGEPLD DENIRYQIIT FLIAGHETTS GLLSFALYFL VKNPHVLQKA AEEAARVLVD PVPSYKQVKQ LKYVGMVLNE ALRLWPTAPA FSLYAKEDTV LGGEYPLEKG DELMVLIPQL HRDKTIWGDD VEEFRPERFE NPSAIPQHAF KPFGNGQRAC IGQQFALHEA TLVLGMMMLKH FDFEDHTNYE LDIKETLTLK PEGFVVKAKS KKIPLGGIPS PSTEQSAKKV R
Species	Bacillus megaterium
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

NCBI AND UNIPROT INFORMATION

NCBI GI #	117298
UniProt Accession #	P14779
Molecular Weight	117,781 Da
NCBI Official Full Name	Bifunctional P-450/NADPH-P450 reductase
UniProt Protein Name	Bifunctional P-450/NADPH-P450 reductase
UniProt Gene Name	cyp102A1
UniProt Synonym Gene Names	cyp102; Cytochrome P450BM-3
UniProt Entry Name	CPXB_BACME

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.