Nonribosomal Peptide Synthetase 2 (NRPS2), Partial (NRPS2) Neosartorya Fumigata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nonribosomal peptide synthetase 2 (NRPS2), partial, Recombinant Protein
Full Product Name	Recombinant Neosartorya fumigata Nonribosomal peptide synthetase 2 (NRPS2), partial
Product Gene Name	NRPS2 recombinant protein
Product Synonym Gene Name	NRPS2; sidC; AFUA_1G17200
Product Synonym Names	Nonribosomal peptide synthetase 2; EC=6.3.2.-; Siderophore peptide synthase C
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
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.
Molecular Weight	522,418 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q4WR82
Species	Neosartorya fumigata (strain MYA-4609 / Af293 / CBS 101355 / FGSC A1100) (Aspergillus fumigatus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NRPS2 recombinant protein	MBS1311870 is a recombinant protein targeting NRPS2. Also known as Recombinant Neosartorya fumigata Nonribosomal peptide synthetase 2 (NRPS2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NRPS2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NRPS2. It may not necessarily be applicable to this product.

NCBI GI #	70996666
NCBI GeneID	3510120
NCBI Accession #	XP_753088.1
UniProt Primary Accession #	Q4WR82
UniProt Related Accession #	Q4WR82
GenBank Nucleotide #	XM_747995.1
NCBI Official Full Name	nonribosomal siderophore peptide synthase SidC

NCBI Official Symbol	AFUA_1G17200
UniProt Protein Name	Nonribosomal peptide synthetase 2
UniProt Synonym Protein Names	Siderophore peptide synthase C
Protein Family	Nonribosomal peptide synthetase
UniProt Gene Name	NRPS2
UniProt Synonym Gene Names	sidC
UniProt Entry Name	NRPS2_ASPFU
NCBI Protein Information	nonribosomal siderophore peptide synthase SidC
UniProt Comments for NRPS2	Nonribosomal peptide synthesis (NRPS) is a key mechanism responsible for the biosynthesis of bioactive metabolites which are potentially contributing to organismal virulence. Involved in the synthesis of siderophore ferricrocin. Siderophore biosynthesis commences with the N5-hydroxylation of ornithine, followed by transacylation and subsequent covalent assembly of the modified ornithine residues with or without further amino acids (such as serine, alanine and glycine).
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