

Recombinant Neosartorya Fumigata NRPS1 Protein (894-1342 aa), His-SUMO-tagged

Cat. No. NRPS1-2136N **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Neosartorya Fumigata (strain ATCC MYA-4609/Af293/CBS 101355/FGSC A1100) (<i>Aspergillus fumigatus</i>) NRPS1 Protein (894-1342 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Microbiology. Protein Description: Partial.
Species	Neosartorya Fumigata
Source	E.coli
ProteinLength	894-1342 aa
Description	Nonribosomal peptide synthesis (NRPS) is a key mechanism responsible for the biosynthesis of bioactive metabolites which are potentially contributing to organismal virulence. Contributes to improved fungal tolerance against oxidative stress, during the infection process.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	67.2 kDa
AA Sequence	LSPIQKLHFMVRKEGQGYFNQSVVTRIDRQINDQDMRRAVEAVVMRHSMLRSRLVD PSTGNSLQLRITEDVAGSYRWRTHYMTAQNEIENAI AESQLCINAFVGPVFAVDFCY VDEDSHNLLSLVAHHLVVDIVSWRIILEDLEDFLLNPQGFVLQNSSLPFQTCWRLQDE QCESVAFENDVQLEDLPAPDLAYWGM EHRQMTYGDVICETFELDPGSTQSILLECH

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QSLRTEPVDLFLAALVHSFGQTFPERTLPVIYNEGHGREVWDSSLDISRTVGWFTTL
YPIFVQEIVSEDPARTVARVKDLRRQVSDNGRQKFASRMFTGKGQQTCRHHYPLEM
TFNYVGQHRDLQKQDGLFQLMGHMAGEAGQGGGAADFGEETPRFALLEISALVVQ
GQLRFTFSFNRFRMRHQSGIHAWISRCHQLLASLGQKLQSLAPQPTLSDFPMLSL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

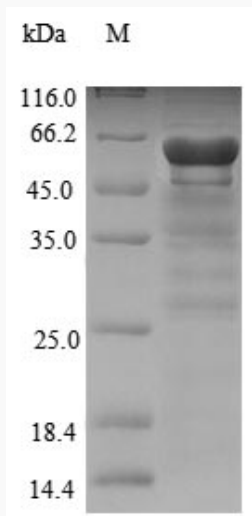
Synonyms NRPS1;

UniProt ID [Q4WT66](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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