Trna-Splicing Endonuclease Subunit SEN54 (SEN54) Ashbya Gossypii Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA-splicing endonuclease subunit SEN54 (SEN54), Recombinant Protein
Full Product Name	Recombinant Ashbya gossypii tRNA-splicing endonuclease subunit SEN54 (SEN54)
Product Gene Name	SEN54 recombinant protein
Product Synonym Gene Name	SEN54; AGR205C
Product Synonym Names	tRNA-splicing endonuclease subunit SEN54; tRNA-intron endonuclease SEN54
Sequence	MTEAEELSVA LGLHDSDAEE DALAQDWSEM AKLVKKANQH ALPRRGEKDY EPDGTDAQAL LLHTAKETMF GTLLNSVRGS TVKTLIKAYW EEEQRMARIP NARGSFTNTM GKVDKHGQCW LQLHEFVYLV ERGTVSPYLA LTVGDEKSNH EDVLLSVQDV YALFSSTEEL DEFLVYAHLK RLGFIVVSTD NPPAHVTSFY PPLSQKSSAS SNWFCHIHSW LKTPQNLFHV PLYHPLHFLL HRYTSSPQLY EELSQHIPFK KVPHDINELR EERNNGILNP NVKQWKIAFN VWKPKSSFKK KTPGLPDFQV VVYNKDNAGQ QFPTYDEFRS IFHRLDYRFD FLNELDVDDS AWDDYTYTDG MPTREFMQRN KIAPSQPHSG GDSRKKKART YPQHIAQIRR LKSGFKSFIL SVIDDGLVSF VRIAESDFGS SNIWYTPPSQ TGTTNNRTRS DKVDV
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	52,261 Da
Sequence Positions	1-455aa; full length protein
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 Q74ZJ5
Species	Ashbya gossypii (strain 10895 / CBS 109.51 / FGSC 9923 / NRRL Y-1056) (Yeast) (Eremothecium gossypii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SEN54 recombinant protein	MBS1424350 is a recombinant protein targeting SEN54. Also known as Recombinant Ashbya gossypii tRNA-splicing endonuclease subunit SEN54 (SEN54). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SEN54 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 SEN54. It may not necessarily be applicable to this product.

NCBI GI #	45201301
NCBI GeneID	4623173

NCBI Accession #	NP_986871.1
UniProt Primary Accession #	Q74ZJ5
UniProt Related Accession #	Q74ZJ5
GenBank Nucleotide #	NM_211933.1
NCBI Official Full Name	AGR205Cp
NCBI Official Symbol	AGOS_AGR205C
UniProt Protein Name	tRNA-splicing endonuclease subunit SEN54
UniProt Synonym Protein Names	tRNA-intron endonuclease SEN54
Protein Family	Probable tRNA-splicing endonuclease
UniProt Gene Name	SEN54
UniProt Synonym Gene Names	AGR205C
UniProt Entry Name	SEN54_ASHGO
NCBI Protein Information	AGR205Cp
UniProt Comments for SEN54	Non-catalytic subunit of the tRNA-splicing endonuclease complex, a complex responsible for identification and cleavage of the splice sites in pre-tRNA. It cleaves pre-tRNA at the 5' and 3' splice sites to release the intron. The products are an intron and two tRNA half-molecules bearing 2',3' cyclic phosphate and 5'-OH termini. There are no conserved sequences at the splice sites, but the intron is invariably located at the same site in the gene, placing the splice sites an invariant distance from the constant structural features of the tRNA body. May be required to embody the molecular ruler of the complex ().
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