Maturase K (matK) Nicotiana Tomentosiformis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Maturase K (matK), Recombinant Protein
Full Product Name	Recombinant Nicotiana tomentosiformis Maturase K (matK), partial
Product Gene Name	matK recombinant protein
Product Synonym Gene Name	matK
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	60,158 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 Q70D40
Species	Nicotiana tomentosiformis (Tobacco)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for matK recombinant protein	MBS1321083 is a recombinant protein targeting matK. Also known as Recombinant Nicotiana tomentosiformis Maturase K (matK), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of matK 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 matK. It may not necessarily be applicable to this product.

NCBI GI #	81301542
NCBI GeneID	3776345
NCBI Accession #	YP_398839.1
UniProt Primary Accession #	Q70D40
UniProt Secondary Accession #	Q33C58
UniProt Related Accession #	Q70D40
GenBank Nucleotide #	NC_007602.1
NCBI Official Full Name	maturase K (chloroplast)
NCBI Official Symbol	matK

UniProt Protein Name	Maturase K
UniProt Synonym Protein Names	Intron maturase
Protein Family	Maturase
UniProt Gene Name	matK
NCBI Protein Information	maturase K
UniProt Comments for matK	Usually encoded in the trnK tRNA gene intron. Probably assists in splicing its own and other chloroplast group II introns.
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