



Recombinant *Gleditsia triacanthos* Maturase K (matK)

Product Code	CSB-EP713639GBAI
Abbreviation	matK
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q5YK53
Product Type	Recombinant Protein
Immunogen Species	<i>Gleditsia triacanthos</i> (Honeylocust)
Purity	>85% (SDS-PAGE)
Sequence	MKEFQVYLEL DRSLQHDFLY PLIFREYIYA LAYDHGLNSS ILVENLGYDN KSSLLIVKRL ITRMYQQNHL ILSANDSNKN QFWGYNKNLY SQIISEGFAV SVEIPFSLQL ISSLEAEIV KSYNLRSIHS IFPFEEKFP YLNYVSDVRI PYPIHLEILV QTLRYWVKDA SSFHLLRLFL YEYCNWNSLI TPKKWISTFS KSNPRLFLFL YNFYVCEYES ILIFLRNKSS YLRLTSSGVL FERIYFYAKI EHRVEVFDKD FPSTLWFFKD PFIHYVRYQG KSILSSRNTP FFMNKWKYYL IHLWQCHFVY WSQPGKIHIN QLSEHSFYFL GYFSNVRLNP SVVRSQMLEN SFIENVMKK LDTTIPIPL IRLAKAKFC NVLGHPISKP VWADSSDFDI IDRFLRICRN LSHYYNGSSN KKSlyRIKYI LRLSCIKTLA RKHKSTVRVF LKRLGSKFLE EFFTEEEEIL SLILPRASFT LQRLYRGRIW YLDIFYFHH
Source	E.coli
Target Names	matK
Protein Names	Recommended name: Maturase K Alternative name(s): Intron maturase
Expression Region	1-499
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	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°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.