



Recombinant *Castanea crenata* Maturase K (matK)

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| Product Code | CSB-EP741725CEK |
| 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. | Q76DY9 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Castanea crenata</i> (Japanese chestnut) |
| Purity | >85% (SDS-PAGE) |
| Sequence | M L L E N I G Y D N K S S L L I V K R L I T T M Y Q Q N Y L I I S A N D S K Q N P F F G Y N K N L H S K I L S E G F A I I V E I P F Y L R L I S S L E G A E I V R F Y N L R S I H S I F P F L E E K F P H L N Y S A D I L I P Y P A H L E I L V Q T L R Y R V K D A S Y L H L L R F F L H E Y S N C N S L I I T N K S I S I F S K S N P R F F L F L Y N S Y I C E Y E S I F L F L R N Q S S H L R L T S S G V L F E R L C L Y R K I E H F A E V F A N D F P V I P C F L K D P F M H Y V R Y Q G K S I L A S K D T P L L M N K W K S Y L V N L W Q C H F D V W S H A A S I R I N Q L S K H S L D F L S Y F S S V R R N P A V V R N Q M L E N S F P L N N A P N K L D T I V P I I P L I G S L A K A K F C N A V G H P I S K L T R A D L S D F E I I N R F L H I C R N L S H Y Y S G S S K K K N M Y R I K Y I L R L S C V K T L A R K H K S T A R A F L K R V D S E F F Q E F F T E E G G F I S L I F P R A S F A L R R L Y S G R V W Y L D I I F I N G L S N H E |
| Source | E.coli |
| Target Names | matK |
| Protein Names | Recommended name: Maturase K Alternative name(s): Intron maturase |
| Expression Region | 1-464 |
| 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.