



# Recombinant *Chamaecrista fasciculata* Maturase K (matK)

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| <b>Product Code</b>      | CSB-EP713636CFAS   |
| <b>Abbreviation</b>      | matK   |
| <b>Storage</b>           | 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.  |
| <b>Uniprot No.</b>       | Q5YJU7   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | <i>Chamaecrista fasciculata</i> (Showy partridge pea) ( <i>Cassia fasciculata</i> )  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MEEFQVYLEL ARSRQYDFLY PLIFREYIYA LAYDHGFNNS ILVENLGYDN<br>KSSLLIIKRL ITRMYQQNHL IISANDSNKN PFWGCKKNLY SQLISEGFAV<br>SVEIPFSLQL ISSLEGAEIV KSYNLRSIHS IFPFEEKFA YLTYVSDVQI<br>PYPIHLEILV QTXXXXXXXX SCFHLLRLFL YEYWNWNSLI TPKKWISTFS<br>KSNPRLFLFL YNFYVCEYES IFLFLRNKSS YLRLTSSGVL FERINFYAKI<br>EYFVEVFDKD FLSTLWFFKD SFIHYGRYQG KSILASKNTP FLMTKWKYYL<br>IHLWQCHFVY WSQPGKIHIN QLSEHSDFDL GYFSNVRLNP SVVRSQMLEN<br>SFLIENVMKK LDTIPIIPL IRLAKAKFC NVLGHPISKP VWADSADFDI<br>IDFLRRCRN LSHYNGSST KKSLYRIKHI LRLSCIKTLA RKHKSTVRVF<br>LKSLGSELLE EFFTEEKEIL SLIFPRASST LQRLYRGRIW YLDIFYFHQ |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | matK   |
| <b>Protein Names</b>     | Recommended name: Maturase K Alternative name(s): Intron maturase  |
| <b>Expression Region</b> | 1-499  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Reconstitution</b>    | 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.  |
| <b>Shelf Life</b>        | 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   |



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