



# Recombinant *Prosopis juliflora* Maturase K (matK)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP721930PSL-B   |
| <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>       | Q6E4Q8  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | <i>Prosopis juliflora</i> (Mesquite) ( <i>Mimosa juliflora</i> )  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MEEFQVYLEL DRSRQHDFLY PLIFREYIYA LAYDHGLNSS ILVQNXGYDN<br>KSSLLIVKRL ITRMYQQNHL IISANDSNKN PFWGYNKNLY SQIISEGLAV<br>SVEIPFSLQL ISSLEKAEII KSYNLRSIHS IFPFEEKFP YLNYVSDVQI<br>PYPIHLEILI QSLRYWVKDA SSFHLLRFL YEYCNWNSLI TPKKRISTFS<br>KRNPXFXLXL YNFYVCEYXS IFLFLRNKSS YLRLTSSGVL FERIYFYAKI<br>XHFVKVFDKD FLSTLWFFKD PFIHYVRYQG Ksilaskntp FLMKKWKYYL<br>IHLWQCHFFV WSQPGKIHIN QLSEHSFYFL GYFSNVRINP SVVRSQMLEK<br>SFIMENLMKK LDTIPIIPL IRSLAKAKFC NILGHPISKP VWADSSDFDI<br>IDRFLQICRN LSHYYNGSSK KKSlyRIKYI LRLSCIKTLA RKHKSTVRVF<br>LKRLGSELLE EFFTEEDIF SLIFSRASST LQKLYRGRIW YLDIFDFHQ |
| <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  |



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