



# Recombinant *Oryza sativa* subsp. japonica Probable monogalactosyldiacylglycerol synthase 1, chloroplastic (MGD1)

|                          |  |
|--------------------------|--|
| <b>Product Code</b>      | CSB-MP721312OFG  |
| <b>Abbreviation</b>      | MGD1   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | Q69QJ7   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | <i>Oryza sativa</i> subsp. japonica (Rice)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | G GSGEGAGGG GGGGGGEVDG LVEEEGVARA EAPKKVLILM<br>SDTGGGHRAS AEAIAAFIQ EFGDDYQVFV TDLWTDHTPW PFNQLPRSYS<br>FLVKHGPLWK MTYYGTAPRV VHQPFAATS TFIAREVAKG LMKYQPDVII<br>SVHPLMQHVP LRILRSKGLL DKIPFTTVVT DLSTCHPTWF HKLVTRCYCP<br>SAEVSKRALK AGLQPSQIKV YGLPVRPSFV KPIRPEDEL RELGMDEYLP<br>AVLLMGGGEG MGPIEATARA LGDALYDEVL GEPTGQILVI CGRNKCLTSR<br>LQSINWKVPV QVKGFVTKME ECMGACDCII TKAGPGTIAE AMIRGLPIIL<br>NGYIAGQEAG NVPYVDNGC GKFSKSPEQI AKIVADWFGP RSDCLKMMSQ<br>NALKLARPDA VFKIVHDLHE LVRQKCFVPQ YACAS |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | MGD1   |
| <b>Protein Names</b>     | Recommended name: Probable monogalactosyldiacylglycerol synthase 1,<br>chloroplastic Short name= OsMGD1 EC= 2.4.1.46   |
| <b>Expression Region</b> | 110-535  |
| <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 of Mature 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.