

## Recombinant ZmOleCys, His tagged

**Cat. No.** ZmOleCys-07    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | Recombinant ZmOleCys with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AASequence</b>       | ADHHRGACGGGGGYGDLCRGGGMHGCAQQQKQGAMMCALKAATAATFGGSM<br>LVLSGLILAGTVIALTVATPVLVIFSPVLVPAIALALMAAGFVTSGGLGVAALSVFSW<br>MYKYLTGCHPPGADCLDHAKARLASCARDIKDAAQHCIDQAQGS                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 17 kDa                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | ≥95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>   | Lyophilized from PBS, 0.05% Brij-78, 6% Trehalose, pH 7.4 The volume before lyophilization is 137 µL/vial.                                                                                                                                                                                                                                                                                                         |
| <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/-80 centigrade. Our default final concentration of glycerol is 50%. Customers could use it as reference. |

### GENE INFORMATION

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|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b> | ZmOleCys                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | ZmOleCys                                                                                                                                                                                                                                                                                                                                                   |
| <b>SDS-PAGE</b>        | Observed band size: Monomer 17 kDa Dimer 34 kDa It is speculated that the protein forms a dimeric structure (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel. Boiling SDS-treated samples may result in membrane protein aggregation. Incubation at 37 centigrade for 10 min is an effective alternative. |

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