

# Product Data Sheet

## D-Mannose Isomerase

| Catalog #                | Source                                                                                                              | Reactivity | Applications |
|--------------------------|---------------------------------------------------------------------------------------------------------------------|------------|--------------|
| CZM1147                  | E.coli                                                                                                              |            |              |
| <b>Description</b>       | Recombinant D-Mannose Isomerase from E.coli                                                                         |            |              |
| <b>Specificity</b>       | >100 U/mg protein, >20 U/mg powder                                                                                  |            |              |
| <b>Form</b>              | White lyophilized powder                                                                                            |            |              |
| <b>Alternative Names</b> | EC 5.3.1.7; D-mannose isomerase; D-mannose ketol-isomerase                                                          |            |              |
| <b>CAS Number</b>        | 9031-25-8                                                                                                           |            |              |
| <b>Molecular Weight</b>  |                                                                                                                     |            |              |
| <b>Purity</b>            | >90%                                                                                                                |            |              |
| <b>Unit Definition</b>   | One unit is defined as the amount of enzyme will catalyze 1 micromole D-fructose from D-mannose per minute at 37°C. |            |              |
| <b>Storage/Stability</b> | Shipped at 4°C. Store at -20°C for 2 years.                                                                         |            |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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