

## Active Recombinant E. coli map Protein, His-tagged

**Cat. No.** map-793E    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant E. coli map (Accession # NP_414710) Ala2-Glu264, fused with a C-terminal 10-His tag, was produced in E. coli.                                                                                                                                  |
| <b>Species</b>              | E.coli                                                                                                                                                                                                                                                     |
| <b>Source</b>               | E.coli                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>        | Ala2-Glu264                                                                                                                                                                                                                                                |
| <b>Predicted N Terminal</b> | Ala2                                                                                                                                                                                                                                                       |
| <b>Form</b>                 | Supplied as a 0.2 µ filtered solution in Tris, NaCl and Glycerol.                                                                                                                                                                                          |
| <b>Bio-activity</b>         | Measure by its ability to remove methionine from a fluorogenic peptide substrate H-Met-Gly-Pro-AMC. The resulting GP-AMC is cleaved by Recombinant Human DPPIV/CD26. The specific activity is >0.5 pmol/min/g, as measured under the described conditions. |
| <b>Molecular Mass</b>       | Recombinant E. coli map, His-tagged has a calculated MW of 31 kDa. In SDS-PAGE migrates as 36 kDa, reducing conditions.                                                                                                                                    |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3                                                                              |

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months (-70°C).

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