

## Recombinant ORF1a protein, His-tagged

**Cat. No.** ORF1a-2413    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant ORF1a protein(K8DRS1)(2-302aa), fused to C-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 2-302aa                                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                  |
| <b>Molecular Mass</b>   | 37.1 kDa                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MGFRGLCEAMNAHGTTILKGTMMFDGAMMFDDQGVPELNCQWRKIRNAFSETED<br>ATSLSGKIDSSGFTSVRKFKTMVAFDFINESTMSYIHDWENIKSFMTNQTYSYKGMT<br>YGIERCVINAGIMTYKIIGVPGMCPPELIRHCIWFPSIKDYVGLKIPASMDLVKWKTVR<br>VLTSTLRETEEIAMRCYNDKKAWMEQFKVILGVLSAKSSTIVINGMSMQSGERIDIDD<br>YHYIGFAILLHTKMKYEQLGKMFDNMWNASSISKWFAALTRPLRVFFSSVVRALFPTL<br>RPREEKEFLIKLSTF |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                          |

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**Reconstitution**

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.

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