

## Recombinant Human LYZ protein, His-SUMO-tagged

**Cat. No.** LYZ-3196H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human LYZ protein(P61626)(19-148aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 19-148aa                                                                                                                                                                                                                                         |
| <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>   | 30.7 kDa                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | KVFERCELARTLKR LGMDGYRGISLANWMCLAKWESGYNTRATNYNAGDRSTDYGI<br>IFQINSRYWCNDGKTPGAVNACHLSCSALLQDNIADAVACAKRVVRDPQGIRAWVA<br>WRNRCQNRDVRQYVQGCGV                                                                                                     |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                      |
| <b>Storage</b>          | Store at -20°C/-80°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%.

**GENE INFORMATION**

|           |                               |
|-----------|-------------------------------|
| Gene Name | LYZ lysozyme [ Homo sapiens ] |
|-----------|-------------------------------|

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|-----------------|-----|
| Official Symbol | LYZ |
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|          |                                                                                                                 |
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| Synonyms | LYZ; lysozyme; lysozyme (renal amyloidosis); lysozyme C; renal amyloidosis; 1,4-beta-N-acetylmuramidase C; LZM; |
|----------|-----------------------------------------------------------------------------------------------------------------|

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|---------|------|
| Gene ID | 4069 |
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|             |           |
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| mRNA Refseq | NM_000239 |
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| Protein Refseq | NP_000230 |
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| MIM | 153450 |
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| UniProt ID | P61626 |
|------------|--------|

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