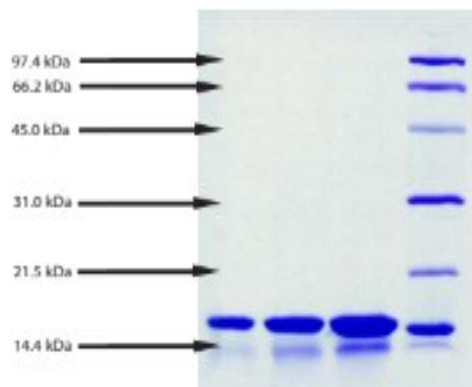


LYZ

Native Human Lysozyme, Neutrophil

| | | | |
|---------------------------------|---|------------------|------------------|
| Catalog No. | CSI14815A CSI14815B | Quantity: | 100 µg 1.0 mg |
| Alternate Names: | Lysozyme C, 1,4-beta-N-acetylmuramidase C, LZM, LYZ | | |
| Description: | Lysozyme occurs in specific granules of human polymorphonuclear leukocytes and takes part in the antibacterial activity of the leukocytes. It hydrolyzes beta-1,4 links between N-acetylmuramic acid or 2-acetamido-2-deoxy-D-glucose residues in mucopolysaccharide, mucopolypeptide, or chitin. | | |
| UniProt ID: | P61626 | | |
| Gene ID: | 4069 | | |
| Source: | Human neutrophils | | |
| Molecular Weight: | 14.7 kDa | | |
| Formulation: | Lyophilized from 50 mM sodium acetate, 100 mM NaCl, pH 6.0 | | |
| Purity: | ≥ 95% as determined by SDS-PAGE | | |
| Extinction Coefficient: | 2.51 | | |
| Biological Activity: | One unit is defined as the amount of enzyme that digests powdered cells of <i>Micrococcus lysodeikticus</i> , causing a decrease in absorbancy of 0.001 per minute at 37°C, pH 7.0. | | |
| Specific Activity: | 30,000 Sugar units per mg. | | |
| Storage & Stability: | Store at -20°C to -80°C. Avoid repeated freeze-thaw cycles. | | |
| Biohazard: | Prepared from whole blood shown to be non-reactive for HbsAg, anti-HCV, anti-HBc, and negative for anti-HIV-1 and -2 by FDA approved tests. | | |

SDS-PAGE: 4-12% Bis-Tris NuPAGE



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.