



## Recombinant Human Lysozyme

Product Number: LY02

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### Shipping and Storage

Please store in an environment of 2-8 °C.Can be stored for more than 24 months

### Description

Lysozyme (LYZ) is a low molecular weight alkaline enzyme that can hydrolyze mucopolysaccharides in pathogenic bacteria. Lysozyme is a component of the normal immune defense mechanism of the body, named after its ability to dissolve bacterial cell walls. It is a glycolytic enzyme that can dissolve certain bacteria. Mainly by disrupting the interaction between N-acetyl cell wall acid and N-acetylglucosamine in the cell wall  $\beta$ -1,4 glycosidic bonds break down insoluble mucopolysaccharides in the cell wall into soluble glycopeptides, leading to the rupture of the cell wall and the escape of contents, resulting in bacterial dissolution. In the human body, lysozyme exists in neutrophils, monocytes, and macrophages; It also exists in mucosal secretions and becomes one of the surface defense factors. Recombinant Human Lysozyme is derived from rice endosperm cells through gene recombination technology and protein purification processes.

Source	Rice seeds
Appearance	White or light yellow to pink crystalline powder or particles
Purity	$\geq 90\%$ SDS-PAGE
pH value	5.0-6.5
Molecular weight	14.7kD
Activity	$\geq 4.0 \times 10^4$ U/mg
CAS	9001-63-2

### Note

After opening, please use it as soon as possible to avoid contamination.