

## 32-8469: Recombinant Human Lysozyme C/LYZ (C-6His)

**Gene :** LYZ  
**Gene ID :** 4069  
**Uniprot ID :** P61626

### Description

Source: Human Cells.  
MW :15.7kD.

Recombinant Human Lysozyme C is produced by our Mammalian expression system and the target gene encoding Lys19-Val148 is expressed with a 6His tag at the C-terminus. lysozyme C is a secreted protein and belongs to the glycosyl hydrolase 22 family. Lysozymes have primarily a bacteriolytic function, damage bacterial cell walls by catalyzing hydrolysis of 1,4-beta-linkages between N-acetylmuramic acid and N-acetyl-D-glucosamine residues in a peptidoglycan and between N-acetyl-D-glucosamine residues in chitodextrins. Those in tissues and body fluids are associated with the monocyte-macrophage system and enhance the activity of immunoagents. Lysozyme C is capable of both hydrolysis and transglycosylation; it shows also a slight esterase activity. It acts rapidly on both peptide-substituted and unsubstituted peptidoglycan, and slowly on chitin oligosaccharides.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl,10% Glycerol,pH7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** KVFERCELARTLKRLGMDGYRGISLANWMCLAKWESGYNTRATNYNAGDRSTDYGFQINSRYWCNDGKTPG  
AVNACHLSCSALLQDNIADAVACAKRVVRDPQGIRAWVAWRNRCQNRDVRQYVQGCQVVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.