



Recombinant Protein Technical Manual

Recombinant Human Lysozyme C/LYZ Protein (His Tag)

RPES3955

Product Data:

Product SKU: RPES3955

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P61626

Protein Information:

Molecular Mass: 15.7 kDa

AP Molecular Mass: 15 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Lysozyme C; 1,4-beta-N-acetylmuramidase C; LYZ; LZM

Immunogen Information:

Sequence: Lys19-Val148

Background:

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.