

Lysozyme 2/LYZL2 Protein, Human (sf9, His)

Cat. No.:	HY-P73834
Synonyms:	Lysozyme-like protein 2; Lysozyme-2; LYZL2
Species:	Human
Source:	Sf9 insect cells
Accession:	Q7Z4W2 (20K-S148)
Gene ID:	119180
Molecular Weight:	Approximately 19 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 7.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Lysozyme 2/LYZL2 Protein exhibits catalytic activity, specifically hydrolyzing (1->4)-beta-linkages within peptidoglycan, as well as between N-acetyl-D-glucosamine residues in chitodextrins. Its enzymatic properties involve the cleavage of these specific chemical bonds, highlighting its role in the degradation of bacterial cell walls and chitinous substances through its lytic actions on these structural components.
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Caution: Product has not been fully validated for medical applications. For research use only.

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