

Bioactive

Lysozyme (Egg White)

Catalog # P5237 Size 1 g

Specification

Product Description	Lyophilized. Have trace amounts of sodium chloride.
Biological function	Lysozyme is an antimicrobial enzyme that preferentially hydrolyzes the beta-1,4 glycosidic linkages between N-acetylmuramic acid and N-acetylglucosamine in the cell wall structure of certain microorganisms, such as <i>Micrococcus lysodeikticus</i> .
Host	Chicken
Theoretical MW (kDa)	14.3
Form	Lyophilized
Preparation Method	Native protein purified from Egg Whites
Activity	$\geq 5,000$ units per mg dry weight. One Unit is equal to a decrease in turbidity of 0.001 per minute at 450 nm at pH 7.0 and 25°C, using a 0.3 mg/ml suspension of <i>Micrococcus lysodeikticus</i> cells as substrate.
Recommend Usage	Lysozyme Assay; Nucleic acid preparation; Protein purification from inclusion bodies; Plasmid preparation (to break down membranes and cell wall); Hydrolysis of chitin, Lysozyme Assay; Hydrolysis of bacterial cell walls.
Storage Instruction	Store at 4°C.

Applications

- Enzyme Activity

Gene Info — LYZ

Entrez GeneID [396218](#)

Protein Accession#	P00698
Gene Name	LYZ
Gene Alias	LYZC
Gene Description	lysozyme (renal amyloidosis)
Gene Ontology	Hyperlink
Other Designations	dystrophin egg white lysozyme lysozyme lysozyme C