

Active Native Human LYZ

Cat. No. LYZ-29007TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Full length native Human Lysozyme purified from Human blood, predicted MWt 15kDa
Species	Human
Source	Human Blood
ProteinLength	130 amino acids
Description	This gene encodes human lysozyme, whose natural substrate is the bacterial cell wall peptidoglycan (cleaving the beta)
Form	Lyophilized
Bio-activity	30,000 sugar units per mg.
Molecular Mass	15kDa
Purity	>95% by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme that suggest powdered cells of <i>Micrococcus lysodeikticus</i> , causing a decrease in absorbancy of 0.001 per minute at 37°C, pH 7.0.
Storage	Store at +4°C.

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Storage Buffer Preservative: None
Constituents: 50mM Sodium acetate, 100mM Sodium chloride, pH 6.0

GENE INFORMATION

Gene Name LYZ lysozyme [Homo sapiens]

Official Symbol LYZ

Synonyms LYZ; lysozyme; lysozyme (renal amyloidosis); lysozyme C; renal amyloidosis; 1,4-beta-N-acetylmuramidase C; LZM;

Gene ID 4069

mRNA Refseq NM_000239

Protein Refseq NP_000230

MIM 153450

UniProt ID P61626

Chromosome Location 12q15

Pathway Amyloids, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Disease, organism-specific biosystem; Salivary secretion, organism-specific biosystem; Salivary secretion, conserved biosystem;

Function hydrolase activity, acting on glycosyl bonds; lysozyme activity;

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