

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 Micrococcus lysodeikticum, 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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 45-1 Ramsey Road, Shirley, NY 11967, USA

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

Gene Name	LYZ lysozyme [Homo sapiens]
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Official Symbol	LYZ
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Synonyms	LYZ; lysozyme; lysozyme (renal amyloidosis); lysozyme C; renal amyloidosis; 1,4-beta-N-acetylmuramidase C; LZM;
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Gene ID	4069
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mRNA Refseq	NM_000239
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Protein Refseq	NP_000230
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MIM	153450
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UniProt ID	P61626
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Chromosome Location	12q15
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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;
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Function	hydrolase activity, acting on glycosyl bonds; lysozyme activity;
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