

Native Human Lysozyme(salivary)

Cat. No. LYZ-5316H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human LYZ was expressed in Human blood. MW 17 kDa.
Species	Human
Source	Human Blood
Description	LYZ occurs in specific granules of human polymorphonuclear leukocytes and takes part in the antibacterial activity of the leukocytes. It hydrolyzes beta-1,4 links between N-acetylmuramic acid or 2-acetamido-2-deoxy-D-glucose residues in mucopolysaccharide, mucopolypeptide or chitin.
Form	Liquid if 100 µg/vial; Lyophilized from 50 mM Na acetate, pH 6.0 with 100 mM NaCl if 1.0 mg/vial.
Molecule Weight	17 kDa
Biological Activity	30,000 Sugar units per mg. One unit is defined as the amount of enzyme that digests powdered cells of <i>Micrococcus lysodeikticus</i> , causing a decrease in absorbency of 0.001 per minute at 37°C, pH 7.0.
Purity	≥ 95% by SDS-PAGE.
Pathways	Amyloids; C-MYB transcription factor network; Salivary secretion

GENE INFORMATION

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Gene Name	LYZ lysozyme [Homo sapiens]
Official Symbol	LYZ
Synonyms	LYZ; lysozyme; LZM; lysozyme C;renal amyloidosis; lysozyme (renal amyloidosis); OTTHUMP00000240861;OTTHUMP00000240877; 1,4-beta-N-acetylmuramidase C; EC 3.2.1.17
Gene ID	4069
mRNA Refseq	NM_000239
Protein Refseq	NP_000230
MIM	153450
UniProt ID	P61626
Chromosome Location	12q15
Function	hydrolaseactivity, acting on glycosyl bonds; lysozyme activity

PDBrendering based
on 132l.

