

Active Native Human Lysozyme

Cat. No. LYZ-249H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Human Neutrophil
Description	Lysozyme 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-2deoxy-D-glucose residues in mucopolysacchride, mucopolypeptide or chitin.
Form	Lyophilized
Bio-activity	>30,000 Sugar units per mg.
Molecular Mass	MW: 14,700
Purity	>= 95% by SDS-PAGE
Unit Definition	One unit of activity is defined as the amount of enzyme which will digest powdered cells of Micrococcus lysodeikticus, causing a decrease in absorbancy of 0.001 per minute at 37°C, pH 7.0.
Usage	For research or further manufacturing use only.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Quality Control Test	Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.
Stability	>1 year
Storage	<=>
Storage Buffer	50 mM Na acetate, pH 6.0 with 100 mM NaCl
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,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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