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Datasheet for ABIN7318752

LYZ Protein (His tag)



Overview

Quantity:	50 μg
Target:	LYZ
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LYZ protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human Lysozyme C/LYZ Protein (His Tag)
Sequence:	Lys19-Val148
Characteristics:	Recombinant Human Lysozyme C is produced by our Mammalian expression system and the target gene encoding Lys19-Val148 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Target Details	
Target:	LYZ
Alternative Name:	Lysozyme C/LYZ (LYZ Products)
Background:	Background: lysozyme C is a secreted protein and belongs to the glycosyl hydrolase 22 family. Lysozymes have primarily a bacteriolytic function, damage bacterial cell walls by catalyzing

hydrolysis of 1,4-beta-linkages between N-acetylmuramic acid and N-acetyl-D-glucosamine

Target Details

residues in a peptidoglycan and between N-acetyl-D-glucosamine residues in chitodextrins. Those in tissues and body fluids are associated with the monocyte-macrophage system and enhance the activity of immunoagents. Lysozyme C is capable of both hydrolysis and transglycosylation, it shows also a slight esterase activity. It acts rapidly on both peptide-substituted and unsubstituted peptidoglycan, and slowly on chitin oligosaccharides. Synonym: Lysozyme C,1,4-beta-N-acetylmuramidase C,LYZ,LZM

Molecular Weight:

15.7 kDa

UniProt:

P61626

Application Details

Restrictions:

For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl,10 % Glycerol, pH 7.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.