

Recombinant Human LYZ protein, His-tagged

Cat. No. LYZ-5785H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LYZ aa. (Cys24~Gln144 (Accession# P61626)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Cys24~Gln144
Description	This gene encodes human lysozyme, whose natural substrate is the bacterial cell wall peptidoglycan (cleaving the beta[1-4]glycosidic linkages between N-acetylmuramic acid and N-acetylglucosamine). Lysozyme is one of the antimicrobial agents found in human milk, and is also present in spleen, lung, kidney, white blood cells, plasma, saliva, and tears. The protein has antibacterial activity against a number of bacterial species. Missense mutations in this gene have been identified in heritable renal amyloidosis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 9.1.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative
Reconstitution	Reconstitute in ddH2O

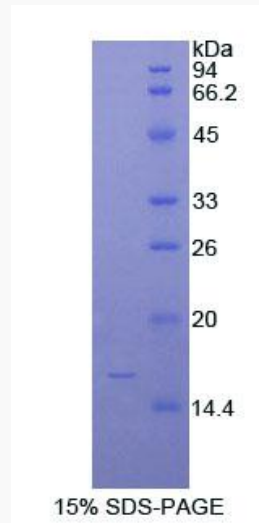
GENE INFORMATION

Gene Name	LYZ lysozyme [Homo sapiens (human)]
Official Symbol	LYZ
Synonyms	LZM; LYZF1; 1,4-beta-N-acetylmuramidase C; c-type lysozyme; lysozyme F1; lysozyme C
Gene ID	4069
mRNA Refseq	NM_000239.2
Protein Refseq	NP_000230.1

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UniProt ID**P61626****SDS-PAGE** 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