

Recombinant Full Length Human LYZ Protein, GST-tagged

Cat. No. LYZ-6038HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LYZ full-length ORF (1 a.a. - 148 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	148 amino acids
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 anti-microbial agents found in human milk, and is also present in spleen, lung, kidney, white blood cells, plasma, saliva, and tears. Missense mutations in LYZ have been identified in heritable renal amyloidosis. [provided by RefSeq]
Molecular Mass	42.9 kDa
AA Sequence	MKALIVLGLVLLSVTVQGKVFERCELARTLKRLGMDGYRGISLANWMCLAKWESGY NTRATNYNAGDRSTDYGFQINSRYWCNDGKTPGAVNACHLSCSALLQDNIADAVA CAKRVRDPQGIRAWVAWRNRCQHRDVRQYVQGCGV
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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