

## Recombinant Human LYZL1, His-tagged

**Cat. No.** LYZL1-133H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Lysozyme-Like Protein 1/LYZL1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Lys20-Ser148) of Human LYZL1 fused with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	20-148 a.a.
<b>Description</b>	Lysozyme-Like Protein 1 (LYZL1) is a member of the glycosyl hydrolase 22 family. Lysozymes are a family of enzymes that damage bacterial cell walls by catalyzing hydrolysis of 1,4- $\beta$ -linkages between N-acetylmuramic acid and N-acetyl-D-glucosamine residues in a peptidoglycan and between N-acetyl-D-glucosamine residues in chitodextrins. Large amounts of lysozyme can be found in egg white. C-type lysozymes are closely related to alpha-lactalbumin in sequence and structure making them part of the same family. LYZL1 is a secreted protein and exists as a monomer.
<b>AA Sequence</b>	KIYTRCKLAKIFSRAGLDNYWGFSLGNWICMAYYESGYNTTAPTVLDDGSDIDYGIFQI NSFAWCR RGKLENNHCHVACSALITDDLTDALICARKIVKETQGMNYWQGWKKH CEGRDLSEWKKGCEVSV DHHHHHH
<b>Endotoxin</b>	Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g).

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**Purity** Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

## GENE INFORMATION

**Gene Name** LYZL1 lysozyme-like 1 [ Homo sapiens ]

**Official Symbol** LYZL1

**Synonyms** LYZL1; lysozyme-like 1; lysozyme-like protein 1; LYC2; MGC33408; KAAG648; PRO1278; bA534G20.1;

**Gene ID** 84569

**mRNA Refseq** NM\_032517

**Protein Refseq** NP\_115906

**UniProt ID** Q6UWQ5

**Chromosome Location** 10p12.1

**Function** hydrolase activity, acting on glycosyl bonds; lysozyme activity;

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