

Recombinant Human LYZL1, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
ProteinLength	20-148 a.a.
Description	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- β -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.
AA Sequence	KIYTRCKLAKIFSRAGLDNYWGFSLGNWICMAYYESGYNTTAPTVLDDGSIDYGIFQI NSFAWCR RGKLENNHCHVACSALITDDLTDALICARKIVKETQGMNYPWQGWKKH CEGRDLSEWKKKGCEVSV DHHHHHHH
Endotoxin	Less than 0.1 ng/ μ g (1 IEU/ μ 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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