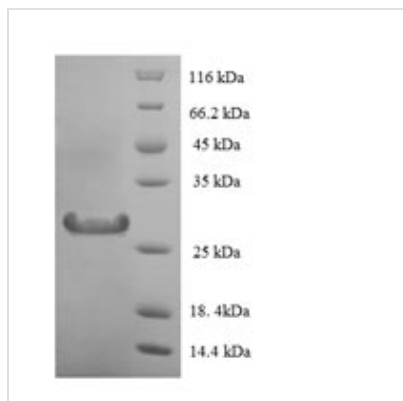




Recombinant Human Lysozyme C (LYZ)

Product Code	CSB-EP013283HU
Relevance	Lysozymes have primarily a bacteriolytic function; those in tissues and body fluids are associated with the monocyte-macrophage syst and enhance the activity of immunoagents.
Abbreviation	Recombinant Human LYZ protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P61626
Alias	1,4-beta-N-acetylmuramidase C
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	KVFERCELARTLKLRLGMDGYRGISLANWMCLAKWESGYNTRATNYNAGDRS TDYGIFQINSRYWCNDGKTPGAVNACHLSCSALLQDNIADAVACAKRVVRDPQ GIRAWVAWRNRCQNRDVRQYVQGCQV
Research Area	Tags & Cell Markers
Source	E.coli
Target Names	LYZ
Expression Region	19-148aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	30.7kDa
Protein Length	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Description

Enhance your research with our top-grade Recombinant Human LYZ protein. Lysozyme C, also known as 1,4-beta-N-acetylmuramidase C, is a highly-conserved enzyme that catalyzes the hydrolysis of peptidoglycan in bacterial cell walls, resulting in the destruction of the cell. Due to its bacteriolytic function, lysozyme is a critical player in host defense mechanisms and serves as a valuable marker for a wide range of applications, including the investigation of cell physiology, differentiation, and immune response.

Our Recombinant Human LYZ protein has been expertly produced in *E. coli* to ensure the utmost quality and consistency. The protein sequence encompasses the full length of the mature protein (19-148 amino acids) and has been meticulously designed to maintain the native structure and function of lysozyme. The N-terminal 6xHis-SUMO-tag facilitates efficient purification without compromising protein activity. With a purity greater than 90% as determined by SDS-PAGE, our Recombinant Human LYZ protein is the optimal choice for your research endeavors in the fields of cell biology, immunology, and bacterial infection.

Choose our highly purified Recombinant Human LYZ protein, available in liquid or lyophilized powder form, to advance your scientific investigations with precision and reliability.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.