

Lysozyme C (LYZ) Recombinant Protein | LYZ recombinant protein

Recombinant Chicken Lysozyme C (LYZ), Biotinylated

CATALOG #
AAA279284

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

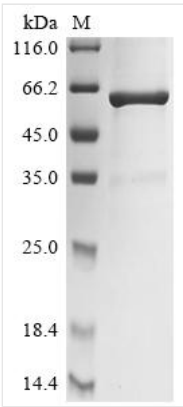
PRODUCT SYNONYMS

Lysozyme C (LYZ); Recombinant Chicken Lysozyme C (LYZ); Biotinylated; 1; 4-beta-N-acetylmuramidase C; Allergen Gal d IV; allergen Gal d 4; LYZ recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater than 85% as determined by SDS-PAGE.
Form/Format	Liquid or Lyophilized powder If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8
Sequence Positions	19-147aa; Full Length of Mature Protein
Sequence	KVFGRCELAA AMKRHGLDNY RGYSLGNWVC AAKFESNFNT QATNRNTDGS TDYGILQINS RWWCNDGRTP GSRNLCNIPC SALLSSDITA SVNCAKKIVS DGNGMNAWVA WRNRCKGTDV QAWIRGCRL
Species	Gallus gallus (Chicken)
Tag	N-terminal MBP-tagged and C-terminal 6xHis-Avi-tagged
Research Area	Cardiovascular
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. 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 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



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

ADDITIONAL INFORMATION

Related Product Information for LYZ recombinant protein	Lysozymes have primarily a bacteriolytic function; those in tissues and body fluids are associated with the monocyte-macrophage system and enhance the activity of immunoagents. Has bacteriolytic activity against M.luteus.
References	"Molecular characterization of goose- and chicken-type lysozymes in emu (Dromaius novaehollandiae): evidence for extremely low lysozyme levels in emu egg white."Maehashi K., Matano M., Irisawa T., Uchino M., Kashiwagi Y., Watanabe T.Gene 492:244-249(2012)

NCBI AND UNIPROT INFORMATION

NCBI GI #	45384212
NCBI GeneID	396218
NCBI Accession #	NP_990612.1
NCBI GenBank Nucleotide #	NM_205281.1
UniProt Accession #	P00698; Q90884
Molecular Weight	16,239 Da
NCBI Official Full Name	lysozyme C
NCBI Official Synonym Full Names	lysozyme (renal amyloidosis)
NCBI Official Symbol	LYZ
NCBI Official Synonym Symbols	LYZC
NCBI Protein Information	lysozyme C
UniProt Protein Name	Lysozyme C
UniProt Gene Name	LYZ

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.