

Full-Length

LYZ (Human) Recombinant Protein (P02)

Catalog # H00004069-P02

Size 50 ug

Specification

Product Description	Human LYZ full-length ORF (1 a.a. - 148 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MKALIVLGLVLLSVTVQGKVFERCELARTLKRLGMDGYRGISLANWMCLAKWESGYNTRATNYNA GDRSTDYGIQINSRYWCNDGKTPGAVNACHLSCSALLQDNIADAVACAKRVVRDPQGIRAWVA WRNRCQHRDVRQYVQGCGV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.9
Interspecies Antigen Sequence	Rat (71)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LYZ

Entrez GeneID [4069](#)**GeneBank Accession#** [AK130149.1](#)**Gene Name** LYZ**Gene Alias** LZM**Gene Description** lysozyme (renal amyloidosis)**Omim ID** [105200](#) [153450](#)**Gene Ontology** [Hyperlink](#)

Gene Summary 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]

Other Designations 1,4-beta-N-acetylmuramidase C|lysozyme|lysozyme C

Disease

- [Chorioamnionitis](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)