

Lysozyme C-2 Protein, Mouse, Recombinant (His & Myc)

General Information

Synonyms:	Lysozyme C type M;Lyzs;Lyz2;Lyz;Lysozyme C-2;1,4-beta-N-acetylmuramidase C
Protein Construction:	19-148 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	P08905
Molecular Weight:	19.8 kDa (predicted)
AA Sequence:	KVYERCEFARTLKRNGMAGYYGVSLADWVCLAQHESNYNTRATNYNRGDQSTDYGFQINSRYWCNDGKT PRAVNACGINCSALLQDDITAAIQCAKRVRDPQGIRAWVAWRAHCQNRDLSQYIRNCGV

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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. Lyz2 is active against a range of Gram-positive and Gram-negative bacteria. More effective than Lyz1 in killing Gram-negative bacteria. Lyz1 and Lyz2 are equally effective in killing Gram-positive bacteria.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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