

LpqH, Recombinant Protein Reference Standard

Catalog No. NR-50757

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Contributor and Manufacturer:

BEI Resources

Product Description:

NR-50757 is a recombinant form of the conserved 19 kDa lipoprotein antigen precursor, LpqH, from *Mycobacterium tuberculosis*.^{1,2} The recombinant protein consists of the native protein sequence in addition to a hexa-histidine tag. LpqH was expressed in *Escherichia coli* BL21 (DE3) pLysS cells and purified by immobilized-metal affinity chromatography.

Note: This protein is provided as a reference standard and should be ordered with the corresponding plasmid (pMRLB.51; NR-13302).

Material Provided:

Each vial of NR-50757 contains approximately 400 µg of protein in 10 mM tris, 250 mM NaCl, pH 8, and 1 mM dithiothreitol (DTT).

Packaging/Storage:

NR-50757 was packaged aseptically in cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: LpqH, Recombinant Protein Reference Standard, NR-50757."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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References:

1. MycoBrowser: [Rv3763](#)
2. Cole, S. T., et al. "Deciphering the Biology of *Mycobacterium tuberculosis* from the Complete Genome Sequence." *Nature* 393 (1998): 537-544. PubMed: 9634230. Erratum in: *Nature* 396 (1998): 190-198.

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