Data Sheet (Cat.No.TMPH-03557)

HlgC Protein, S. aureus, Recombinant (His)

General Information

Synonyms: Gamma-hemolysin component C;hlgC

Protein Construction: 30-315 aa

Species: Staphylococcus aureus

Expression Host: P. pastoris (Yeast)

Accession: Q7A3S2

Molecular Weight: 34.6 kDa (predicted)

AA Sequence: ANDTEDIGKGSDIEIIKRTEDKTSNKWGVTQNIQFDFVKDKKYNKDALILKMQGFISSRTTYYNYKKTNHVKA MRWPFQYNIGLKTNDKYVSLINYLPKNKIESTNVSQTLGYNIGGNFQSAPSLGGNGSFNYSKSISYTQQNYVS EVEQQNSKSVLWGVKANSFATESGQKSAFDSDLFVGYKPHSKDPRDYFVPDSELPPLVQSGFNPSFIATVSH EKGSSDTSEFEITYGRNMDVTHAIKRSTHYGNSYLDGHRVHNAFVNRNYTVKYEVNWKTHEIKVKGQN

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: > 90% 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

Toxin that seems to act by forming pores in the membrane of the cell. Has a hemolytic and a leucotoxic activity.

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