Recombinant Kluyvera phage Kvp1 Endolysin Protein (Ser2-Gly151), C-His tagged

Cat. No. amidase-5541K **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Kluyvera phage Kvp1 Endolysin (Ser2-Gly151) fused with the C-His tag was expressed in E. coli.
Species	Kluyvera phage Kvp1
Source	E.coli
ProteinLength	Ser2-Gly151
Form	Lyophilized powder/frozen liquid
Molecular Mass	18.08 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.

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Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	3.5 amidase [Kluyvera phage Kvp1]
Official Symbol	amidase
Synonyms	3.5; amidase; T7 lysozyme hydrolyzes an amide bond in the host cell wall following its release from the cytoplasm. In addition, T7 lysozyme inhibits T7 RNA polymerase initiation. This inhibition is greater for class II promoters than class III promoters and therefore may aid in temporal regulation of transcription and the switch to particle assembly. In T7, lysozyme, unlike the T7 holin, is expressed with and lies in the same region as the replication genes. Lack of gp3.5 reduces replication and burst size and delays, but does not completely prevent lysis. Mutations in the muralytic domain of gene 16, an inner capsid protein, can partially compensate for a deletion of gp3.5. Other names: gp3.5; amidase; N-acetylmuramoyl-L-alanine amidase
Gene ID	7040055
Protein Refseq	YP_002308397
UniProt ID	B6Z9F7

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