

Recombinant Streptococcus Pyogenes IdeS Protein, His tagged

Cat. No. IdeS-37S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Streptococcus Pyogenes IdeS Protein, His Tag(KMP4414) is produced in E. coli. A DNA sequence encoding the streptococcus pyogenes IdeS (F8V4V0-1) (Asp30-Asn341) was expressed with a polyhistidine tag at the N-terminus.
Species	Streptococcus Pyogenes
Source	E. coli
Description	IdeS (IgG-degrading enzyme of Streptococcus pyogenes) is a secreted cysteine endopeptidase from the human pathogen S. pyogenes with an extraordinarily high degree of substrate specificity, catalyzing a single proteolytic cleavage at the lower hinge of human IgG. This proteolytic degradation promotes inhibition of opsonophagocytosis and interferes with the killing of group A Streptococcus.
Molecular Mass	36.2 kDa
Purification	Affinity purification
Endotoxin	<1.0 EU/μg determined by the LAL method
Purity	> 95% determined by SDS-PAGE
Storage	Aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.

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Storage Buffer	PBS, 50% Glycerol, pH6.6
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Shipping

In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. If supplied as liquid, the proteins will be shipped with dry ice.

GENE INFORMATION**Synonyms**

IdeS

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