

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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