

# Recombinant Streptococcus Pyogenes IdeS Protein, His&GST tagged

**Cat. No.** IdeS-50S    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	The Streptococcus Pyogenes IdeS Protein, His Tag, GST Tag(KMP4413) is produced in E. coli. A DNA sequence encoding the streptococcus pyogenes IdeS (F8V4V0-1) (Asp30-Asn341) was expressed with the N-terminal polyhistidine-tagged a GST tag at the N-terminus (his-GST)
<b>Species</b>	Streptococcus Pyogenes
<b>Source</b>	E. coli
<b>Description</b>	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.
<b>Molecular Mass</b>	63.1 kDa
<b>Purification</b>	Affinity purification
<b>Endotoxin</b>	<1.0 EU/μg determined by the LAL method
<b>Purity</b>	> 85% determined by SDS-PAGE
<b>Storage</b>	Aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and

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thawing cycles.

**Storage Buffer**

PBS, 50% Glycerol, pH7.4

**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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