

# Active Recombinant Streptococcus pyogenes IdeS protein, His-tagged

**Cat. No.** IdeS-1013S    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Streptococcus pyogenes IdeS protein(Asp 30 - Asn 339), fused with His tag, was expressed in E.coli .
<b>Species</b>	Streptococcus pyogenes
<b>Source</b>	E.coli
<b>ProteinLength</b>	30-339 a.a.
<b>Form</b>	Supplied as 0.2 µm filtered solution in PBS, pH7.4 with glycerol as protectant.
<b>Bio-activity</b>	BioactivityUnit Definition: One unit digests ≥ 95% of 1 µg human IgG when incubated in 10 mM sodium phosphate, 137 mM NaCl, 2.7 mM KCl, pH7.4 at 37°C for 30min.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the N-terminus.The protein has a calculated MW of 36.8 kDa. The protein migrates as 35 kDa under reducing (R) condition (SDS-PAGE).
<b>Proteinlength</b>	Asp30-Asn339
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.

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**Storage**

For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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