

Active Recombinant Streptococcus pyogenes IdeS protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Streptococcus pyogenes IdeS protein(Asp 30 - Asn 339), fused with His tag, was expressed in E.coli .
Species	Streptococcus pyogenes
Source	E.coli
ProteinLength	30-339 a.a.
Form	Supplied as 0.2 µm filtered solution in PBS, pH7.4 with glycerol as protectant.
Bio-activity	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.
Molecular Mass	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).
Proteinlength	Asp30-Asn339
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>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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