

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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 45-1 Ramsey Road, Shirley, NY 11967, USA



Storage Buffer PBS, 50% Glycerol, pH6.6

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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