

Product Data Sheet

Product Name: GNLY Human
 Cat. No.: GP23582
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room ten

Synonyms LAG2; Lymphokine LAG-2; TLA519; NKG5; LAG2; D2S69E; Granulysin; T-cell activation protein 519; GNLY; D2S69E.

Amino Acid Sequence MGSSHHHHHSSGLVPRGSHMMEGLVFSRLSPEYYDLARAHLRDEEKSCPLAQEGPQGDLLTKTQELGRDYRTCLTIVQKLKMMVDKPTQRSVSNA/

Solubility It is recommended to reconstitute the lyophilized Granulysin in sterile 18MQ-cm H2O not less than 100µg/ml, which can then be fu
 FormulationThe Granulysin protein was lyophilized from a concentrated (1mg/ml) solution containing no additives.

Introduction

GNLY is part of the SAPLIP family and is located in the cytotoxic granules of T cells, which are discharged upon antigen stimulation. GNLY is localized in cytotoxic granules of cytotoxic T lymphocytes and natural killer cells, and it has antimicrobial activity against M. tuberculosis and other organisms. GNLY is an antimicrobial protein that kills intracellular pathogens. GNLY is active against a wide range of microbes, including Gram-positive and Gram-negative bacteria, fungi, and parasites. Kills Mycobacterium tuberculosis.

Stability

Lyophilized Granulysin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Granulysin should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Background

GNLY Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 159 amino acids and fused to a double His Tag (N+C terminus) and having a total molecular mass of 18.1 kDa.The GNLY is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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