Catalogue Number	PRO-852
Synonyms	LAG2, Lymphokine LAG-2, TLA519, NKG5, LAG2, D2S69E, Granulysin, T-cell activation protein 519, GNLY, D2S69E.
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.
Description	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.
Source	Escherichia Coli.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	The Granulysin protein was lyophilized from a concentrated (1mg/ml) solution containing no additives.
Solubility	It is recommended to reconstitute the lyophilized Granulysin in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
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.
Purity	Greater than 95.0% as determined by SDS-PAGE.
Amino acid sequence	**MGSSHHHHHH**SSGLVPRGSHMMEGLVFSRLSPEYYD LARAHLRDEEKSCPCLAQEGPQGDLLTKTQELGRDYR TCLTIVQKLKKMVDKPTQRSVSNAATRVCRTGRSRWR DVCRNFMRRYQSRVTQGLVAGETAQQICEDLRLCIPS TGPLGS**HHHHHH**.
Usage	ProSpec's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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