

Granulysin Recombinant Protein | GNLY recombinant protein

Recombinant Human Granulysin

CATALOG #
AAA38803

HOST
E Coli

PRODUCT SYNONYMS

Granulysin; Recombinant Human Granulysin; GNLY Human; Granulysin Human Recombinant; LAG2; Lymphokine LAG-2; TLA519; NKG5; D2S69E; T-cell activation protein 519; GNLY; GNLY recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The Granulysin protein was lyophilized from a concentrated (1mg/ml) solution containing no additives. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MGSSHHHHHH SSSLVP RGSMMMEGLV FSRLSPEYYD LARAHLRDEE KSCPCLAQEG PQGDLLTKTQ ELGRDYRTCL TIVQKLKKMV DKPTQRSVSN AATRVCRGTGR SRWRDVCNRF MRRYQSRVTQ GLVAGETAQQ ICEDLRLCIP STGPLGSHHH HHH
Sequence Length	145
Solubility	It is recommended to reconstitute the lyophilized Granulysin in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized Granulysin although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution Granulysin should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GNLY recombinant protein	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. 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.
Product Categories/Family for GNLY recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	7108344
NCBI GeneID	10578
NCBI Accession #	NP_006424.2
NCBI GenBank Nucleotide #	NM_006433.4

UniProt Accession #	P22749; P09325; Q6GU08
NCBI Official Full Name	granulysin isoform 2
NCBI Official Synonym Full Names	granulysin
NCBI Official Symbol	GNLY
NCBI Official Synonym Symbols	519; LAG2; NKG5; LAG-2; D2S69E; TLA519
NCBI Protein Information	granulysin; T-cell activation protein 519; T-lymphocyte activation gene 519; lymphocyte-activation gene 2; lymphokine LAG-2
UniProt Protein Name	Granulysin
UniProt Gene Name	GNLY
UniProt Synonym Gene Names	LAG2; NKG5; TLA519
UniProt Entry Name	GNLY_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gnly-recombinant-protein-e-coli/38803>