

Product datasheet for **AR51798PU-N**

Granzyme B (GZMB) (21-247, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Granzyme B (GZMB) (21-247, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MIIGGHEAKP HSRPYMAYLM IWDQKSLKRC GGFLIQDDFV LTAAHCWGSS INVTLGAHNI KEQEPTQQFI PVKRPIHPA YNPKNFSNDI MLLQLERKAK RTRAVQPLRL PSNKAQVKPG QTCSVAGWGQ TAPLGKHSHT LQEVKMTVQE DRKCESDLRH YYDSTIELCV GDPEIKKTSF KGDSGGPLVC NKVAQGIVSY GRNNGMPPRA CTKVSSFVHW IKKTMKRY
Tag:	His-tag
Predicted MW:	27.8 kDa
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris 8.0 containing 10% glycerol.
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GZMB, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001332940</u>
Locus ID:	3002
UniProt ID:	<u>J3KQ52</u>
Cytogenetics:	14q12
Synonyms:	Granzyme-2, CGL1, CTSSL1, CSPB, CTLA1, CTLA-1, GRB, SECT, Fragmentin-2



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Summary:

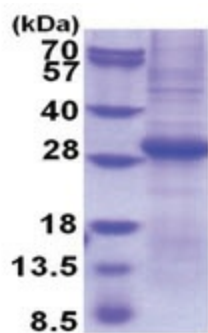
This gene encodes a member of the granzyme subfamily of proteins, part of the peptidase S1 family of serine proteases. The encoded preproprotein is secreted by natural killer (NK) cells and cytotoxic T lymphocytes (CTLs) and proteolytically processed to generate the active protease, which induces target cell apoptosis. This protein also processes cytokines and degrades extracellular matrix proteins, and these roles are implicated in chronic inflammation and wound healing. Expression of this gene may be elevated in human patients with cardiac fibrosis. [provided by RefSeq, Sep 2016]

Protein Families:

Druggable Genome, Protease

Protein Pathways:

Allograft rejection, Autoimmune thyroid disease, Graft-versus-host disease, Natural killer cell mediated cytotoxicity, Type I diabetes mellitus

Product images:

15% SDS-PAGE (3ug)