

Product datasheet for TP306495

Granzyme B (GZMB) (NM_004131) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) (GZMB), full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206495 protein sequence Red =Cloning site Green =Tags(s)
	<p>MQPILLLLAFLLLPRADAGEIIGGHEAKPHSRPYMAYLMIWDQKSLKRCGGFLIQDDFVLTAAHCWGSSI NVTLGAHNIKEQEPTQQFIPVKRPIHPAYNPKNFSDIMLLQLERKAKRTRAVQPLRLPSNKAQVKPGQ TCSVAGWGQTAPLGKHSHTLQEVKMTVQEDRKCESDLRHYYDSTIELCVGDPEIKKTSFKGDSGGPLVCN KVAQGIVSYGRNNGMPPRACTKVSSFVHWIKKTMKRH</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	Myc-DDK
Predicted MW:	27.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004122
Locus ID:	3002
UniProt ID:	P10144 , Q67BC3



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RefSeq Size: 941

Cytogenetics: 14q12

RefSeq ORF: 741

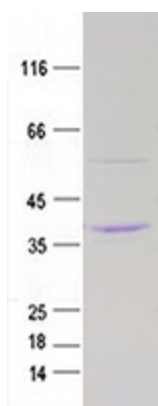
Synonyms: C11; CCPI; CGL-1; CGL1; CSP-B; CSPB; CTLA1; CTSG1; HLP; SECT

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:



Purified recombinant protein GZMB was analyzed by SDS-PAGE gel and Coomassie Blue Staining.