Active Recombinant Human GZMA protein, His-tagged

Cat. No. GZMA-574H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human GZMA protein(NP_006135.1)(29-262 aa) is expressed from HEK293 with His tag at the C-Terminus.
Species	Human
Source	HEK293
Form	Lyophilized from sterile PBS, pH7.4, 5% trehalose, 5% Mannitol.
Bio-activity	Measured by its ability to cleave a colorimetric peptide substrate, N-carbobenzyloxy-Gly-Arg-ThioBenzyl ester (Z-GR-SBzl), in the presence of 5,5'Dithio-bis (2-nitrobenzoic acid) (DTNB). The specific activity is 12019 pmol/min/μg, as measured under the described conditions.
Molecular Mass	The recombinant human GZMA consists of 245 amino acids and predicts a molecular mass of 27.29 kDa.
AASequence	IIGGNEVTPHSRPYMVLLSLDRKTICAGALIAKDWVLTAAHCNLNKRSQVILGAHSITREEPTKQIMLVKKEFPYPCYDPATREGDLKLLQLMEKAKINKYVTILHLPKKGDDVKPGTMCQVAGWGRTHNSASWSDTLREVNITIIDRKVCNDRNHYNFNPVIGMNMVCAGSLRGGRDSCNGDSGSPLLCEGVFRGVTSFGLENKCGDPRGPGVYILLSKKHLNWIIMTIKGAVAHHHHHHHHH
Endotoxin	<1.0EU per 1μg (determined by the LAL method).

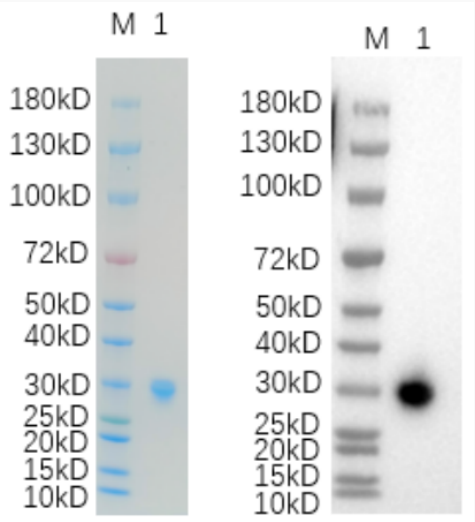
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Purity	> 95% as determined by SDS-PAGE.
Storage	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.27mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	GZMA granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3) [Homo sapiens]
Official Symbol	GZMA
Synonyms	GZMA; granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3); CTLA3, HFSP; granzyme A; CTL tryptase; Granzyme A (Cytotoxic T lymphocyte associated serine esterase 3; Hanukah factor serine protease); HF; h factor; fragmentin-1; cytotoxic T-lymphocyte proteinase 1; Granzyme A (Cytotoxic T-lymphocyte-associated serine esterase-3; Hanukah factor serine protease); HFSP; CTLA3;
Gene ID	3001
mRNA Refseq	NM_006144
Protein Refseq	NP_006135
MIM	140050
UniProt ID	P12544

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SDS-PAGE	

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