

Recombinant Human GZMA Protein (Met1-Val262), His-tagged

Cat. No. GZMA-573H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GZMA Protein (NP_006135.1) (Met1-Val262) was produced by HEK293 Cells expression system. This protein was expressed with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Val262
Predicted N Terminal	Glu 27
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human GZMA consists of 247 amino acids and predicts a molecular mass of 27.5 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is

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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 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.

Shipping

In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.

Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

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

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