For Research Use Only

Recombinant Mouse Gzma protein (rFc Tag)

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Catalog Number: Eg3026

Basic Information

Species: Mouse
Purity: >90 %, SDS-PAGE
Tag: rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Mouse Gzma protein Glu27-Val260 (Accession# P11032-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
14938

Accession:
P11032-1

Predicted Molecular Mass:
51.5 kDa

SDS-PAGE:
55-65 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Granzyme A (GrA, a tryptase) is necessary for target cell lysis in cell-mediated immune responses. It activates mitochondrial outer membrane permeabilization- and caspase-independent cell death pathways by cleaving the mitochondrial complex I component NDUFS3after lys56.

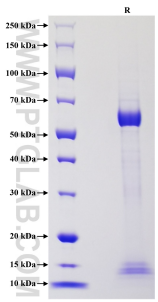
References

1. Huo, Qin et al. Breast cancer (Dove Medical Press) vol. 15 213-226. 10 Mar. 2023.
2. Zhong, Xiu et al. Nature vol. 616,7957 (2023): 598-605.

Synonyms

Autocrine thymic lymphoma granzyme-like serine protease, Ctla3, CTLA-3, EC:3.4.21.78, Fragmentin-1

Selected Validation Data



Purity of Recombinant Mouse Gzma was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.