# Recombinant Mouse Granzyme B/CTLA-1/GZMB Protein

## Catalog No.: RP03596LQ



### Sequence Information

**Species**
Mouse

**Gene ID**
14939

**Swiss Prot**
P04187

**Tags**
C-His

**Synonyms**
C11; HLP; CCPI; CGL1; CSPB; SECT; CGL-1; CSP-B; CTLA1; CTSGL1;GZMB

### Product Information

**Source**
HEK293 cells

**Purification**
> 95% as determined by HPLC

**Calculated MW**
26.5 KDa

**Observed MW**
35 KDa, reducing conditions

**Endotoxin**
< 1 EU/μg of the protein by LAL method.

**Formulation**
Supplied as 0.22 μm filtered solution in PBS (pH 7.4).

**Reconstitution**

### Background

Granzyme B, also known as GZMB, is the most prominent member of the granzyme family of cell death-inducing serine proteases expressed in the granules of cytotoxic T lymphocytes (CTLs) and NK cells. Granzyme B enters the target cells depending on another membrane-binding granule protein, perforin, results in the activation of effector caspases and mitochondrial depolarization through caspase-dependent and -independent pathways, and consequently induces rapid cell apoptosis. Over 3 substrates of GZMB have been identified including the key substrate caspase-3, ICAD, and Bid. GZMB is suggested to protect the host by lysing cells bearing on their surface 'nonself' antigens such as bacterial and viral infected-cells and tumor cells and accordingly plays an essential role in immunosurveillance.

### Basic Information

**Description**
Recombinant Mouse Granzyme B Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly19-Ser247) of Mouse Granzyme B (Accession #NP_038570.1) fused with His tag at the C-terminus.

**Activity**

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -70℃

**Operational Notes**
For your safety and health, please wear a lab coat and disposable gloves for handling.

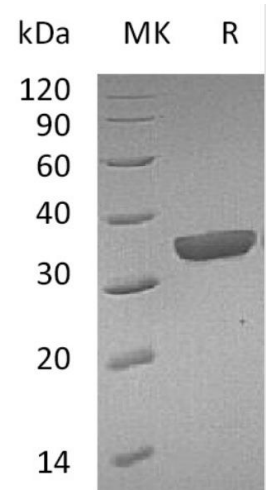
**Contact**

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

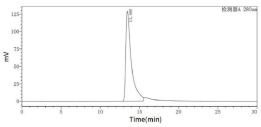


For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

## Validation Data




Recombinant Mouse Granzyme B/CTLA-1/GZMB Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.




The purity of Mouse Granzyme B/CTLA-1/GZMB is greater than 95% as determined by SEC-HPLC.



For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.