

Granzyme B, human recombinant protein (Insect)
**GranzymeB, Granzyme-2, T-cell serine protease 1-3E, Cytotoxic T-lymphocyte
proteinase 2, Lymphocyte**
Catalog # PBV10381r

Specification

Granzyme B, human recombinant protein (Insect) - Product info

Primary Accession [AAA75490](#)
Calculated MW **32 kDa KDa**

Granzyme B, human recombinant protein (Insect) - Additional Info

Gene ID **181186**
Gene Symbol **Granzyme B**
Other Names
GranzymeB, Granzyme-2, T-cell serine protease 1-3E, Cytotoxic T-lymphocyte proteinase 2,
Lymphocyte protease, SECT, Cathepsin G-like 1, CTSL1, CTLA-1, Fragmentin-2, Human
lymphocyte protein, HLP, C11

Gene Source **Human**
Source **Insect cells**
Assay&Purity **SDS-PAGE; ≥90%**
Assay2&Purity2 **N/A;**
Recombinant **Yes**
Results **≥40 units/ µg**

Application Notes

Use 50 µl sterile D.I. water to dissolve 5 µg protein to a final conc of 0.1 µg protein/ µl.

Format

Lyophilized protein

Storage

-70°C; Lyophilized from 20 mM HEPES buffer at pH 7.5.

Granzyme B, human recombinant protein (Insect) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Granzyme B, human recombinant protein (Insect) - Images

Granzyme B, human recombinant protein (Insect) - Background

Granzyme B (GZMB) is a serine protease stored in granules of activated cytotoxic T cells and NK cells. Upon target cell contact, granzyme B is directionally exocytosed and assisted by perforin, enters the target cell. With its unique substrate specificity (granzyme B cleaves after Asp), granzyme B processes and activates various pro-caspases thereby inducing apoptosis in the target cell.