



Recombinant Protein Technical Manual
Recombinant Mouse Granzyme D/GZMD Protein
(His Tag)
RPES0975

Product Data:

Product SKU: RPES0975

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: P11033

Protein Information:

Molecular Mass: 26.8 kDa

AP Molecular Mass: 80-90 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM HEPES, 150mM NaCl, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Granzyme D; Gzmd

Immunogen Information:

Sequence: Ile21-Leu252

Background:

Granzyme D is a member of the granzyme family of the serine proteases which plays a role in the induction of apoptosis. T cells, lymphohematopoietic stromal cells, and granulated metrial gland cells express granzyme D, but the function of granzyme D is unknown. Previous studies reported that granzyme D is developmentally regulated during pregnancy together with granzymes E, F, and G in granulated metrial gland cells and is upregulated by IL-2 and IL5. Granzyme D was also suggested to have a role in stromal cell-lymphocyte interactions.