

Active Recombinant Mouse Gzmd, His-tagged

Cat. No. Gzmd-170M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gzmd (Accession # AAA37736) Ile21-Leu252, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	21-252 a.a.
Predicted N Terminal	Ile21 & His25
Form	Lyophilized from a 0.2 µ filtered solution in HEPES and NaCl.
Bio-activity	Measured by its ability to cleave a peptide substrate, Succinyl-Phe-Leu-Phe-ThioBenzyl ester (Suc-FLF-SBzl), in the presence of 5,5"-Dithio-bis (2-nitrobenzoic acid) (DTNB). Edwards, K.M. et al. (1999) J. Biol. Chem. 274:30468. The specific activity is >50 p mol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Mouse Gzmd, His-tagged has a calculated MW of 27 kDa. In SDS-PAGE migrates as 42 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

GENE INFORMATION**Gene Name** Gzmd granzyme D [*Mus musculus* (house mouse)]**Official Symbol** Gzmd**Synonyms** Gzmd; granzyme D; CCP5; Ctla5; Ctla-5**Gene ID** 14941**mRNA Refseq** NM_010372**Protein Refseq** NP_034502**MIM****UniProt ID** P11033**Chromosome
Location** 14 C3; 14 28.19 cM Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA