

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

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