Granzyme D/GZMD Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70280
Synonyms:	rMuGranzyme D/GZMD, His; Granzyme D; Gzmd
Species:	Mouse
Source:	HEK293
Accession:	P11033 (I21-L252)
Gene ID:	14941
Molecular Weight:	38-50 & 78-85 kDa

PROPERTIES

AA Sequence	I I G G H V V K P H S R P Y M A F V M S V D I K G N R I Y C G G F L I Q D D F V L T A A H C K N S S V Q S S M T V T L G A H N I T A K E E T Q Q I I P V A K D I P H P D Y N A T I F Y S D I M L L K L E S K A K R T K A V R P L K L P R S N A R V K P G D V C S V A G W G S R S I N D T K A S A R L R E V Q L V I Q E D E E C K K R F R Y Y T E T T E I C A G D L K K I K T P F K G D S G G P L V C D N Q A Y G L F A Y A K N G T I S S G I F T K V V H F L P W I S W N M K L L
Biological 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). The specific activity is 293.2797 pmol/min/μg, as measured under the described conditions.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 2 mM DTT, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Granzyme D (GZMD) is likely an essential enzyme involved in the lysis of target cells during cell-mediated immune responses.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA