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Product Datasheet

Human Granzyme M protein, His tag (active), Unconjugated GTX00112-PRO

Article Name	Human Granzyme M protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00112-PRO
Supplier Catalog Number	GTX00112-pro
Alternative Catalog Number	GTX00112-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	3004
UniProt	P51124
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Ile26~Ala257 (NP_001245280.1)

Application Notes	GZMM (Granzyme M) is one of the neutral serine proteases, which is specifically expressed by NK cells and mediates a novel major and perforin-dependent cell death pathway. Granzyme M has been proven to targets alpha-Tubulin and disorganizes the microtubule network, besides, Ezrin has also been identified as a substrate of GZMM. Therefore, a catalytic assay was conducted to detect the protease activity of recombinant human GZMM using Hela cells lysates. Briefly, protein lysates were extracted from 2×10^7 Hela cells using Lysis Buffer, then incubated with normal or inactivated GZMM in 37C for 4h. Samples were immunoblotted using Abs beta-actin as control, and Ezrin to detect the enzyme activity. And the recombinant human GZMM cleaved Ezrin.
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