

Datasheet for ABIN7274744

**GGT1 Protein (AA 27-569) (His tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	GGT1
Protein Characteristics:	AA 27-569
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GGT1 protein is labelled with His tag.

## Product Details

Purpose:	Human GGT1 Protein
Sequence:	Pro27-Tyr569
Characteristics:	Recombinant Human GGT1 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Pro27-Tyr569.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	GGT1
Alternative Name:	GGT1 ( <a href="#">GGT1 Products</a> )

## Target Details

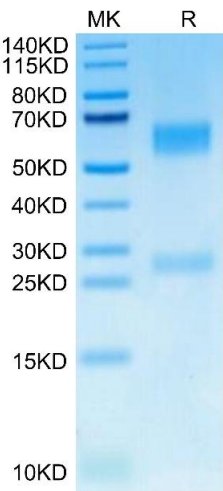
Background:	Gamma-glutamyl transferase (GGT, EC 2.3.2.2) is the only enzyme capable of degrading glutathione (GSH) in extra-cytosolic spaces. Overexpression of $\gamma$ -glutamyl transpeptidase (GGT1) has been implicated in an array of human diseases including asthma, reperfusion injury, and cancer.
Molecular Weight:	59.69 kDa. Due to enzyme lysis and glycosylation, the protein migrates to 55-65 kDa (heavy chain) and 25-30 kDa (light chain) based on Tris-Bis PAGE result.

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

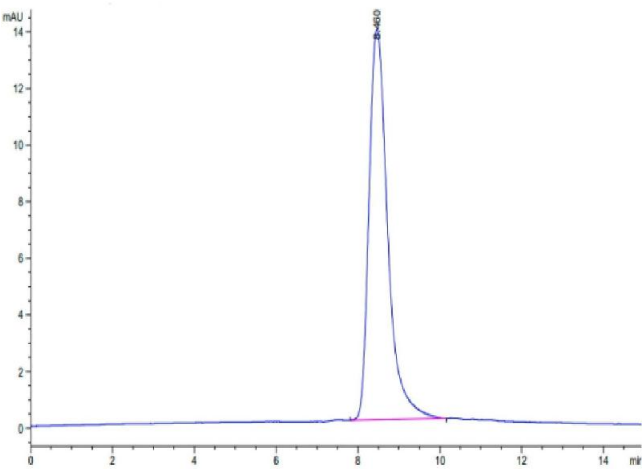
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 $\mu$ m filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Human GGT1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human GGT1 is greater than 95 % as determined by SEC-HPLC.