GGT1 (human), (recombinant) (Fc-tag)

GGT1 belongs to the gamma-glutamyltransferase protein family. GGT1 catalyzes the transfer of the glutamyl moiety of glutathione to a variety of amino acids and dipeptide acceptors. GGT1 also initiates extracellular glutathione (GSH) breakdown, provides cells with a local cysteine supply and contributes to maintain intracelular GSH level. As part of the cell antioxidant defense mechanism, GGT1 can be detected in fetal and adult kidney and liver, adult pancreas, stomach, intestine, placenta and lung. Defects in GGT1 can cause glutathionuria which is known as an autosomal recessive disease.

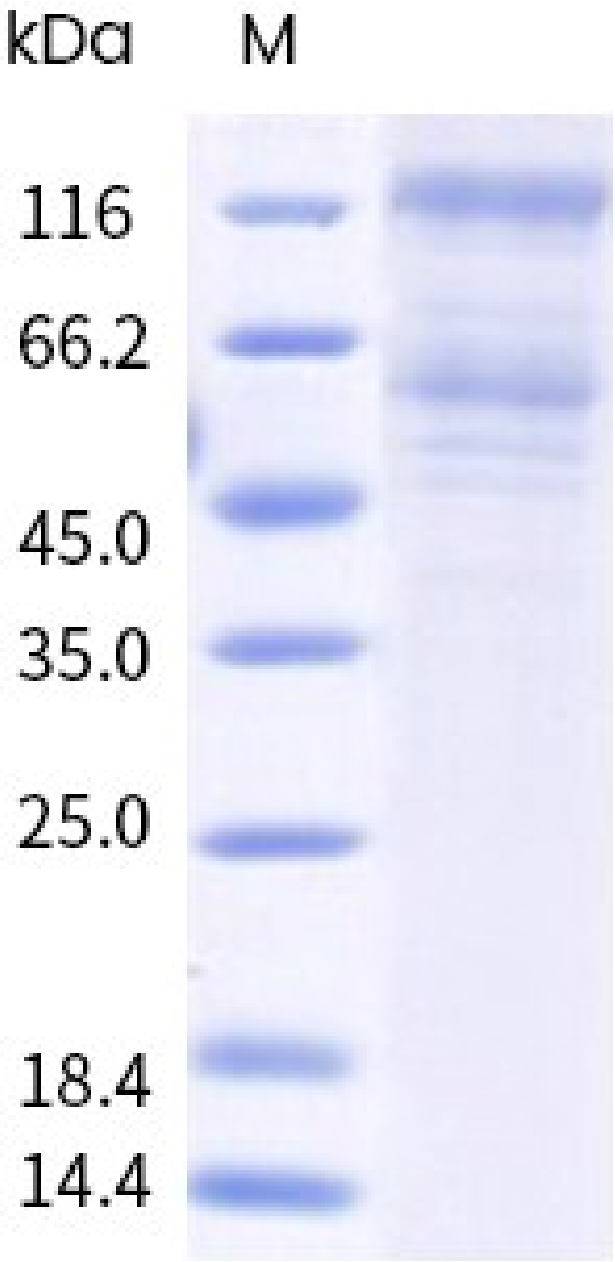
Ordering Information

Order Online »

ENZ-PRT329-0100	100µg

Manuals, SDS & CofA

View Online »



As a result of glycosylation, the recombinant protein migrates as an approximately 132.5 kDa protein in SDS-PAGE under reducing conditions.

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	CD224, Glutathione hydrolase 1
Endotoxin Content	<1 EU/μg (LAL method)
Formulation	Lyophilized from sterile PBS, pH 7.4.
MW	~122.2/59.5 kDa (SDS-PAGE)
Purity	≥90% (SDS-PAGE)
Reconstitution	Reconstitute with sterile deionized water. Reconstitution instructions are lot specific.
Source	Produced in HEK293 cells. A DNA sequence encoding the human GGT1 (Pro27-Tyr569) was expressed with the fused Fc region of human IgG1 at the C-terminus.
UniProt ID	P19440-1

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