

## PRODUCT INFORMATION

<b>Target</b>	GGT1
<b>Synonyms</b>	GGT; GTG; GGTD; CD224; GGT 1; D22S672; D22S732
<b>Description</b>	Recombinant human GGT1 Protein with N-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P19440
<b>Expression Host</b>	HEK293
<b>Tag</b>	N-6×His tag
<b>Molecular Characterization</b>	6×His tag GGT1(Pro27-Tyr569)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 59.4 kDa after removal of the signal peptide.
<b>Purity</b>	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage&amp;Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Background</b>	The enzyme encoded by this gene is a type I gamma-glutamyltransferase that catalyzes the transfer of the glutamyl moiety of glutathione to a variety of amino acids and dipeptide acceptors. The enzyme is composed of a heavy chain and a light chain, which are derived from a single precursor protein. It is expressed in tissues involved in absorption and secretion and may contribute to the etiology of diabetes and other metabolic disorders. Multiple alternatively spliced variants have been identified. There are a number of related genes present on chromosomes 20 and 22, and putative pseudogenes for this gene on chromosomes 2, 13, and 22. [provided by RefSeq, Jan 2014]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



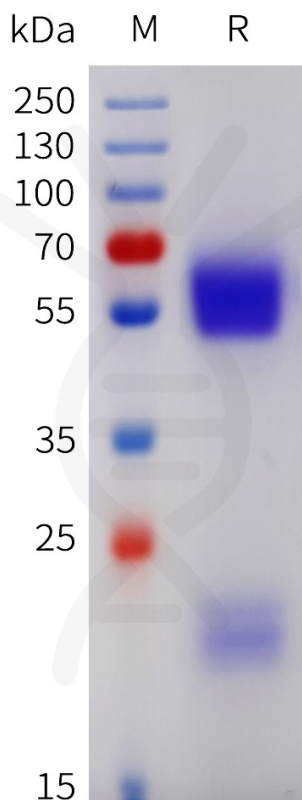


Figure 1. Human GGT1 Protein, His Tag on SDS-PAGE under reducing condition.

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