

## Recombinant Human GGCT Protein (His Tag)

**Catalog Number: PKSH033273**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

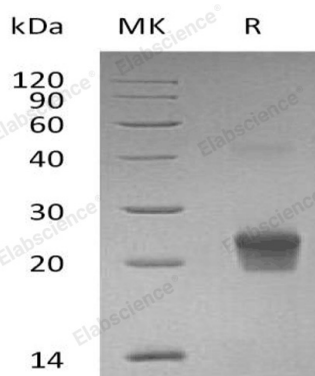
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human GGCT protein Met 1-Leu188, with an N-terminal His
<b>Calculated MW</b>	23.2 kDa
<b>Observed MW</b>	24-30 kDa
<b>Accession</b>	O75223
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/ gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, pH 8.0.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Human  $\gamma$ -Glutamylcyclotransferase belongs to the Transferases family, specifically the Aminoacyltransferase.  $\gamma$ -Glutamylcyclotransferase catalyzes the formation of 5-Pxoprolin from  $\gamma$ -Glutamyl Dipeptides. It plays an important role in Glutathione Homeostasis.  $\gamma$ -Glutamylcyclotransferase induces the release of Cytochrome C from the mitochondria resulting in the induction of apoptosis.

### For Research Use Only