

**PRODUCT INFORMATION**

<b>Target</b>	GUCY2C
<b>Synonyms</b>	DIAR6;GC-C;GUC2C;MECIL;MUCIL;STAR
<b>Description</b>	Recombinant human GUCY2C protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P25092
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	GUCY2C(Ser24-Gln430) 6×His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 46.8 kDa after removal of the signal peptide. The apparent molecular mass of GUCY2C-His is approximately 55-130 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 95% 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>Background</b>	This gene encodes a transmembrane protein that functions as a receptor for endogenous peptides guanylin and uroguanylin, and the heat-stable E. coli enterotoxin. The encoded protein activates the cystic fibrosis transmembrane conductance regulator. Mutations in this gene are associated with familial diarrhea (autosomal dominant) and meconium ileus (autosomal recessive). [provided by RefSeq, Nov 2016]
<b>Usage</b>	Research use only



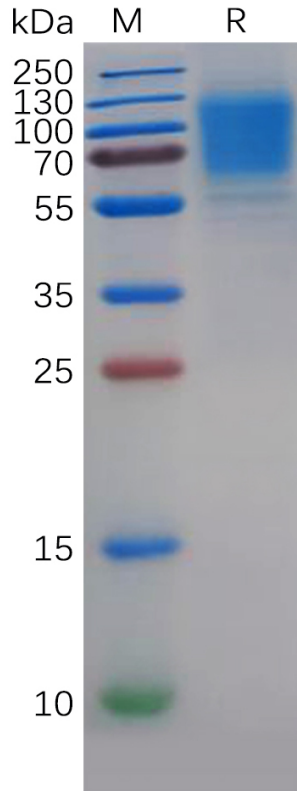


Figure 1. Human GUCY2C Protein, His Tag on SDS-PAGE under reducing condition.

## Human GUCY2C, His tagged protein ELISA

0.1  $\mu\text{g}$  of Human GUCY2C, His tagged protein per well

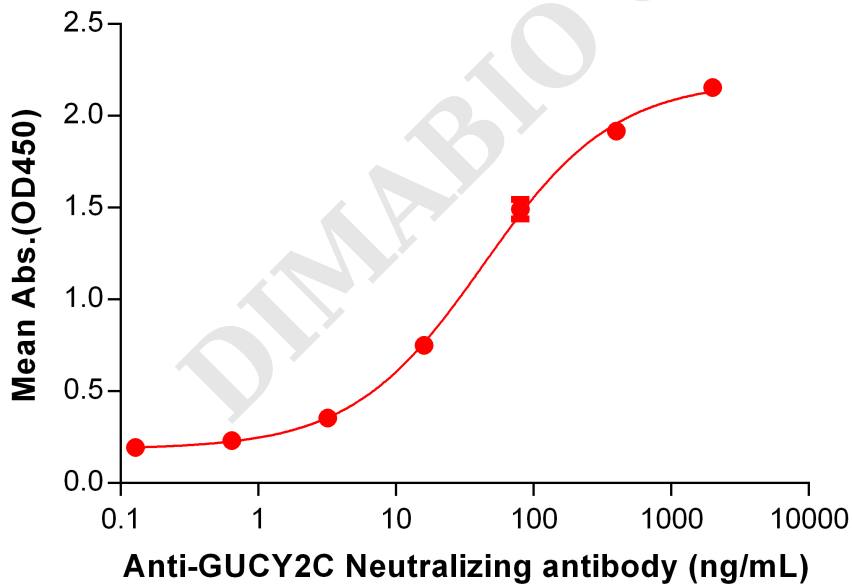


Figure 2. ELISA plate pre-coated by 1  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{well}$ ) Human GUCY2C protein, His Tag (PME100262) can bind Anti-GUCY2C Neutralizing antibody ([getskuurl sku"BME100067"]) in a linear range of 3.2-400 ng/mL.



### Human GUCY2C, His Tagged protein ELISA

0.2  $\mu$ g of Human GUCY2C, His tagged protein per well

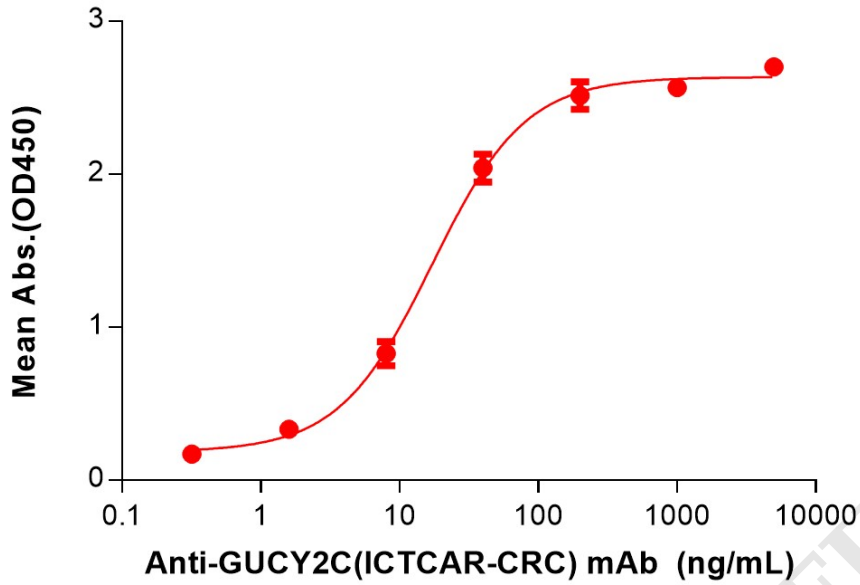


Figure 3. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human GUCY2C Protein, His Tag (PME100262) can bind Anti-GUCY2C(ICTCAR-CRC) mAb (BME100180) in a linear range of 1.60–40 ng/mL.

