HUMAN GUCY2C PROTEIN, HIS TAG

Cat.#: 11252
Product Name: Human GUCY2C Protein
Size : 10 μg, 50 μg and 100 μg
Synonyms: DIAR6;GC-C;GUC2C;MECIL;MUCIL;STAR
Target: GUCY2C
UNIPROT ID: P25092
Description: Recombinant human GUCY2C protein with C-terminal 6xHis tag
Background: 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]
Species/Host: HEK293
Molecular Weight: 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.
Molecular Characterization: GUCY2C(Ser24-Gln430) 6×His tag
Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage & Shipping: 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.

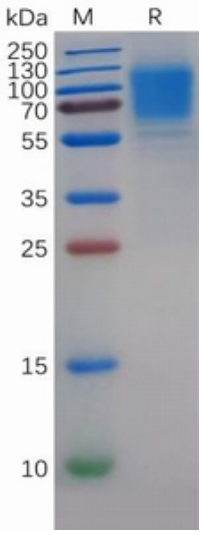

Figure 1. Human GUCY2C Protein, His Tag on SDS-PAGE under reducing condition.

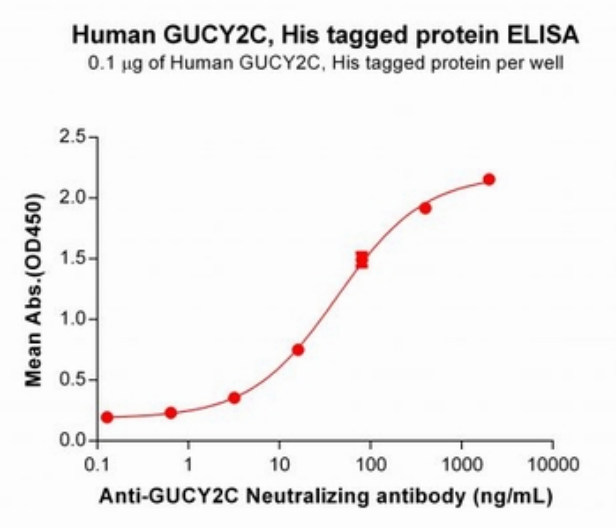

Figure 2. ELISA plate pre-coated by 1 μg/ml (100 μl/well) Human GUCY2C protein, His Tag (11252) can bind Anti-GUCY2C Neutralizing antibody 28073 in a linear range of 3.2-400 ng/mL.