

For Research Use Only

Recombinant Mouse GUCY2C protein (rFc Tag)



Catalog Number: Eg2871

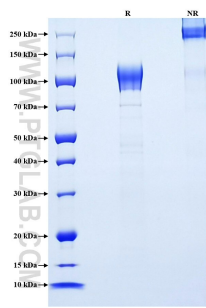
Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Mouse GUCY2C protein Val20-Met433 (Accession# Q3UWA6-1) with a rabbit IgG Fc tag at the C-terminus. GeneID: 14917 Accession: Q3UWA6-1 Predicted Molecular Mass: 73.1 kDa SDS-PAGE: 85-125 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	GUCY2C is also named as GUC2C, STAR (Heat-stable enterotoxin receptor), Guanylyl cyclase C and belongs to the adenylyl cyclase class-4/guanylyl cyclase family. It is a receptor for the E.coli heat-stable enterotoxin and is considered to be the true apical membrane receptor for the endogenous ligands uroguanylin and guanylin. GUCY2C is not present in the endocrine pancreas, but is localized exclusively to the ductal system which fully corresponds to the GUCY2C activity detected in the exocrine ductal system, but particularly not in islets of Langerhans. GUCY2C with a molecular mass of 130 kDa is detected in pancreatic and intestinal extracts. The full-length protein is 123 kDa and has a signal peptide and nine glycosylation sites.		
References	1. Kulaksiz H. et al. (2001). J Endocrinol. 170(1):267-75.		
Synonyms	EC:4.6.1.2, GC-C, Guanylyl cyclase C, Guc2c, Gucy2c		

For technical support and original validation data for this product please contact

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Purity of Recombinant Mouse GUCY2C was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.