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Datasheet for ABIN7538316

GUCY2C Protein (AA 20-433) (His tag)

1 Image

Overview

Quantity:	50 µg
Target:	GUCY2C
Protein Characteristics:	AA 20-433
Origin:	Mouse
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GUCY2C protein is labelled with His tag.

Product Details

Purpose:	Recombinant mouse GUCY2C protein with C-terminal 6xHis tag
Specificity:	Mouse GUCY2C (Val20-Met433) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	GUCY2C
Alternative Name:	GUCY2C (GUCY2C Products)
Background:	Enables guanylate cyclase activity. Acts upstream of or within regulation of cell population

Target Details

proliferation and response to toxic substance. Predicted to be located in endoplasmic reticulum and membrane. Predicted to be integral component of membrane. Predicted to be active in plasma membrane. Is expressed in alimentary system and liver. Used to study abdominal obesity-metabolic syndrome and obesity. Human ortholog(s) of this gene implicated in congenital diarrhea 6. Orthologous to human GUCY2C (guanylate cyclase 2C). [provided by Alliance of Genome Resources, Apr 2022]

Molecular Weight: predicted molecular mass of 47.9 kDa after removal of the signal peptide. The apparent molecular mass of mGUCY2C-His is 55-130 kDa due to glycosylation.

UniProt: [Q3UWA6](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months



SDS-PAGE

Image 1. Mouse GC Protein, His Tag on SDS-PAGE under reducing condition.