

GUCY2C Protein, Human, Recombinant (His)

General Information

Synonyms:	DIAR6;MUCIL;STAR;MECIL;GUC2C
Protein Construction:	A DNA sequence encoding the human GUCY2C (P25092-1) (Met1-Gln430) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Ser 24
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P25092-1
Molecular Weight:	47.78 kDa (predicted); 72.11 kDa (reducing conditions)

QC Testing

Biological Activity:	1.Loaded anti-GUCY2C/Guanylyl cyclase C scFv-hIgG1 Fc on proA Biosensor, can bind Recombinant Human GUCY2C/Guanylyl cyclase C Protein, His Tag (Cat#TMPY-06516) with an affinity constant of 6.440 nM as determined in BLI assay (Sartorius Octet RED384) (Routinely tested). 2.Immobilized Recombinant Human GUCY2C Protein (His Tag) (Cat#TMPY-06516) at 5 µg/mL (100 µL/well) can bind anti-GUCY2C Guanylyl cyclase C Antibody, the EC50 is 2-6 ng/mL (QC tested).
Purity:	> 95 % as determined by SDS-PAGE. > 95 % as determined by SEC-HPLC.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481