

## Recombinant Human GUCY2C protein(Met1-Gln430), His-tagged

**Cat. No.** GUCY2C-670H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GUCY2C protein(Met1-Gln430), fused with C-terminal His tag, was expressed in HEK293.                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Met1-Gln430                                                                                                                                                                                  |
| <b>similar</b>          | GUCY2C                                                                                                                                                                                       |
| <b>Alias</b>            | GUCY2C; guanylate cyclase 2C (heat stable enterotoxin receptor); GUC2C; heat-stable enterotoxin receptor; STAR; GC-C; hSTAR; STA receptor; guanylyl cyclase C; intestinal guanylate cyclase; |
| <b>Conjugate</b>        | C-His                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                               |
| <b>Bioactivity</b>      |                                                                                                                                                                                              |
| <b>MolecularMass</b>    | The recombinant human GUCY2C consists of 421 amino acids and predicts a molecular mass of 47.78 kDa. It migrates as an approximately 72.11 kDa band in                                       |

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|                              |                                                                                                                                                                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | SDS-PAGE under reducing conditions.                                                                                                                                                                                                             |
| <b>Endotoxin</b>             | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                        |
| <b>Purity</b>                | > 95 % as determined by SDS-PAGE. > 95 % as determined by SEC-HPLC.                                                                                                                                                                             |
| <b>Storage</b>               | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b>        | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                   |
| <b>GeneName</b>              | GUCY2C guanylate cyclase 2C (heat stable enterotoxin receptor) [ Homo sapiens ]                                                                                                                                                                 |
| <b>GeneNameWeblink</b>       | <a href="#">2984</a>                                                                                                                                                                                                                            |
| <b>OfficialSymbol</b>        | GUCY2C                                                                                                                                                                                                                                          |
| <b>OfficialSymbolWeblink</b> | <a href="#">2984</a>                                                                                                                                                                                                                            |
| <b>GenelD</b>                | 2984                                                                                                                                                                                                                                            |
| <b>GenelDWeblink</b>         | <a href="#">2984</a>                                                                                                                                                                                                                            |
| <b>mRNARefseq</b>            | NM_004963                                                                                                                                                                                                                                       |
| <b>mRNARefseqWeblink</b>     | <a href="#">NM_004963.3</a>                                                                                                                                                                                                                     |
| <b>ProteinRefseqWeblink</b>  | <a href="#">NP_004954.2</a>                                                                                                                                                                                                                     |

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|-------------------------|------------------------|
| <b>MIMWeblink</b>       | <a href="#">601330</a> |
| <b>UniProtID</b>        | P25092                 |
| <b>UniProtIDWeblink</b> | <a href="#">P25092</a> |

## GENE INFORMATION

|                 |                                                                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | GUCY2C; guanylate cyclase 2C (heat stable enterotoxin receptor); GUC2C; heat-stable enterotoxin receptor; STAR; GC-C; hSTAR; STA receptor; guanylyl cyclase C; intestinal guanylate cyclase; |
| <b>MIM</b>      | 601330                                                                                                                                                                                       |

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