

# Recombinant Full Length Human GUCA1C Protein, GST-tagged

**Cat. No.** GUCA1C-3341HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GUCA1C full-length ORF ( NP_005450.2, 1 a.a. - 209 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 209 amino acids                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | GUCA1C (Guanylate Cyclase Activator 1C) is a Protein Coding gene. Among its related pathways are Metabolism of fat-soluble vitamins and Phototransduction. GO annotations related to this gene include calcium ion binding and calcium sensitive guanylate cyclase activator activity. An important paralog of this gene is GUCA1A. |
| <b>Molecular Mass</b>   | 50.2 kDa                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MGNGKSIAGDQKAVPTQETHVWYRTFMMEYPSGLQTLHEFKTLLGLQGLNQKANK<br>HIDQVYNTFDTNKDGDFIDFLEFIAAVNLIMQEKMELKWKYFKLYDADGNGSIDKNEI<br>LDMFMAVQALNGQQTLSPPEEFINLVFHKIDINNDGELTLEEFINGMAKDQDLLEIVYK<br>SFDFSNVLRVICNGKQPDMETDSSKSPDKAGLGKVKMK                                                                                                      |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production                                                                                                                                                                                                                                    |

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### Protein Array

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.  |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

|                        |                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GUCA1C guanylate cyclase activator 1C [ Homo sapiens ]                                                                                                     |
| <b>Official Symbol</b> | GUCA1C                                                                                                                                                     |
| <b>Synonyms</b>        | GUCA1C; guanylate cyclase activator 1C; guanylyl cyclase-activating protein 3; GCAP3; guanylyl cyclase activating protein 3; GCAP 3; MGC120158; MGC120159; |
| <b>Gene ID</b>         | 9626                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_005459                                                                                                                                                  |
| <b>Protein Refseq</b>  | NP_005450                                                                                                                                                  |
| <b>MIM</b>             | 605128                                                                                                                                                     |
| <b>UniProt ID</b>      | O95843                                                                                                                                                     |

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