

# Recombinant Full Length Human GPRC5C Protein

**Cat. No.** GPRC5C-5547HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GPRC5C full-length ORF (NP_061123.3) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 375 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | The protein encoded by this gene is a member of the type 3 G protein-coupled receptor family. Members of this superfamily are characterized by a signature 7-transmembrane domain motif. The specific function of this protein is unknown; however, this protein may mediate the cellular effects of retinoic acid on the G protein signal transduction cascade. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq] |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 49.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MGTQPEPGLGARMALHKAIVMCLGLPLFLPGAWAQGHVPPGCSQGLNPLYYNLC<br>DRSGAWGIVLEAVAGAGIVTTFVLTIILVASLPFVQDTKKRSLTGTQVFFLLGTGLGFC<br>LVFACVVKPDFSTCASRRFLFGVLFAICFSCLAHVFALNFLARKNHGPRGWVIFTVA<br>LLLTLEVIINTEWLIITLVRGSGEGGPQGNSSAGWAVASPCAIAANMDFVMALIYVMLL<br>LLGAFLGAWPALCGRYKRWKRKHGVFVLLTATSVAIWVWVIMYTYGNKQHNSPT<br>WDDPTLAIALAANAWAFVLFYVIVEVSQVTKSSPEQSYQGDMYPTRGVGYETILKEQ                                                                                                 |

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|                         |                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | KGQSMFVENKAFSMDEPVAAKRPVSPYSGYNGQLLTSVYQPTMALMHKVPSEGA<br>YDIILPRATANSQVMGSANSTLRAEDMYSAQSHQAATPPKDGKNSQVFRNPYVWD                                                                                                                                                        |
| <b>Applications</b>     | Antibody Production<br>Functional Study<br>Compound Screening                                                                                                                                                                                                            |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                                                                                                                                                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>        | GPRC5C G protein-coupled receptor, family C, group 5, member C [ Homo sapiens ]                                                                                                                                                                                          |
| <b>Official Symbol</b>  | GPRC5C                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>         | GPRC5C; G protein-coupled receptor, family C, group 5, member C; G-protein coupled receptor family C group 5 member C; RAIG 3; orphan G-protein coupled receptor; retinoic acid-induced gene 3 protein; retinoic acid responsive gene protein; RAIG3; RAIG-3; MGC131820; |
| <b>Gene ID</b>          | 55890                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>      | NM_018653                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>   | NP_061123                                                                                                                                                                                                                                                                |
| <b>MIM</b>              | 605949                                                                                                                                                                                                                                                                   |

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UniProt ID

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