

# Recombinant Full Length Human GPR12 Protein, GST-tagged

**Cat. No.** GPR12-5614HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Human GPR12 full-length ORF ( NP_005279.1, 1 a.a. - 334 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>    | 334 amino acids                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | GPR12 (G Protein-Coupled Receptor 12) is a Protein Coding gene. Among its related pathways are Peptide ligand-binding receptors. GO annotations related to this gene include G-protein coupled receptor activity and phosphatidylcholine binding. An important paralog of this gene is GPR6.                                                                             |
| <b>Molecular Mass</b>   | 63.1 kDa                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MNEDLKVNL SGLPRDYLDAAAAENISA AVSSRVPAVEPEPELVVNPWDIVLCTSGTLI<br>SCENAIVVLIIFHNPSLRAPMFL LIGSLALADLLAGIGLITNFVFAYLLQSEATKLV TIGLI<br>VASFSASVCSLLAITVD RYLSLYYALTYHSERTVTFTYVMLV MLWGTSICLGLLPVMG<br>WNCLRDESTCSVVRPLTKNNA ILSVSFLFMFALMLQLYIQICKIVMRHAHQIALQHH<br>FLATSHYVTTTRKGVSTLAILGTFAACWMPFTLYSLIADYTYPSIYTYATLLPATYNSIIN<br>PVIYAFRNQEIQKALCLICCGCIPSSLAQRARSPSDV |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)                                                                                                                                                                                                                                                                                                |

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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|                         | Antibody Production<br>Protein Array                                                                                           |
| <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>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                       |
| <b>GENE INFORMATION</b> |                                                                                                                                |
| <b>Gene Name</b>        | GPR12 G protein-coupled receptor 12 [ Homo sapiens ]                                                                           |
| <b>Official Symbol</b>  | GPR12                                                                                                                          |
| <b>Synonyms</b>         | GPR12; G protein-coupled receptor 12; G-protein coupled receptor 12; GPCR21; GPCR12; FLJ18149; FLJ97704; MGC138349; MGC138351; |
| <b>Gene ID</b>          | 2835                                                                                                                           |
| <b>mRNA Refseq</b>      | NM_005288                                                                                                                      |
| <b>Protein Refseq</b>   | NP_005279                                                                                                                      |
| <b>MIM</b>              | 600752                                                                                                                         |
| <b>UniProt ID</b>       | P47775                                                                                                                         |