

# Recombinant Full Length Human GPR142 Protein, GST-tagged

**Cat. No.** GPR142-5637HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GPR142 full-length ORF ( AA152988.1, 1 a.a. - 462 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>    | 462 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | GPR142 is a member of the rhodopsin family of G protein-coupled receptors (GPRs) (Fredriksson et al., 2003 [PubMed 14623098]).[supplied by OMIM]                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 77.77 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MSIMMLPMEQKIQWVPTSLQDITAVLGTEAYTEEDKSMVSHAQKSQHSCLSHSRWL<br>RSPQVTGGSWDLRIRPSKDSSSFRQAQCLRKDPGANNHLESQGVRGTAGDADREL<br>RGPSEKATAGQPRVTLLPTPHVSGLSQEFESHWPEIAERSPCVAGVIPVIYYSVLLGL<br>GLPVSLTAVALARLATRTRRPSYYYLLALTASDIIQVVIVFAGFLLQGAVLARQVPQA<br>VVRTANILEFAANHASVWIAILLTVDRYTALCHPLHHRAASSPGRTRRAIAAVLSAALL<br>TGIPFYWWLDMWRDTPRDLDEVKWAHCLTVYFIPCGVFLVTNSAIIHRLRRRGR<br>SGLQPRVGKSTAILLGITTLFTLLWAPRVFVMLYHMYVAPVHRDWRVHLALDVANMV<br>AMLHTAANFGLYCFVSKTFRATVRQVIHDAYLPCTLASQPEGMAAKPVMEPPGLPT<br>GAEV |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|                       |                                                                            |
|-----------------------|----------------------------------------------------------------------------|
|                       | Western Blot (Recombinant protein)<br>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.   |

## GENE INFORMATION

|                        |                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GPR142 G protein-coupled receptor 142 [ Homo sapiens ]                                                                  |
| <b>Official Symbol</b> | GPR142                                                                                                                  |
| <b>Synonyms</b>        | GPR142; G protein-coupled receptor 142; probable G-protein coupled receptor 142; PGR2; G-protein coupled receptor PGR2; |
| <b>Gene ID</b>         | 350383                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_181790                                                                                                               |
| <b>Protein Refseq</b>  | NP_861455                                                                                                               |
| <b>MIM</b>             | 609046                                                                                                                  |
| <b>UniProt ID</b>      | Q7Z601                                                                                                                  |

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