

## Recombinant Human GPR107, GST-tagged

**Cat. No.** GPR107-13433H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GPR107 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 41-260a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | G proteins are trimeric (alpha-beta-gamma) membrane-associated proteins that regulate flow of information from cell surface receptors to a variety of internal metabolic effectors. Interaction of a G protein with its activated receptor promotes exchange of GTP for GDP that is bound to the alpha subunit. The alpha-GTP complex dissociates from the beta-gamma heterodimer so that the subunits, in turn, may interact with and regulate effector molecules (Gilman, 1987 [PubMed 3113327]; summary by Ahmad et al., 1995) [PubMed 7606925]. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                                                                                                                                                                                                                                                   |

### GENE INFORMATION

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|                            |                                                                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | GPR107 G protein-coupled receptor 107 [ Homo sapiens ]                                                                                                                                                                    |
| <b>Official Symbol</b>     | GPR107                                                                                                                                                                                                                    |
| <b>Synonyms</b>            | GPR107; G protein-coupled receptor 107; protein GPR107; FLJ20998; KIAA1624; LUSTR1; RP11 88G17; lung seven transmembrane receptor 1; GCDRP; bA138E2.2; RP11-88G17; FLJ16312; FLJ22591; MGC15440; MGC126118; DKFZp667C222; |
| <b>Gene ID</b>             | 57720                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | NM_001136557                                                                                                                                                                                                              |
| <b>Protein Refseq</b>      | NP_001130029                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | Q5VW38                                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 9q34.2                                                                                                                                                                                                                    |

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