

# Recombinant Human GPR4 Protein

**Cat. No.** GPR4-5242H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GPR4 full-length ORF (NP_005273.1) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | GPR4 (G Protein-Coupled Receptor 4) is a Protein Coding gene. Diseases associated with GPR4 include Central Hypoventilation Syndrome, Congenital. Among its related pathways are RET signaling and Peptide ligand-binding receptors. GO annotations related to this gene include G-protein coupled receptor activity. An important paralog of this gene is GPR68.                                                                         |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 41 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | <p>MGNHTWEGCHVDSRVDHLFPPSLYIFVIGVGLPTNCLALWAAYRQVQQRNELGVYL</p> <p>MNLSIADLLYICTLPLWVDYFLHHDNWIHGP GSCKLFGFIFYTNIYISIAFLCCISVD RY</p> <p>LAVAHPLRFARLRRVKTA VAVSSVWATELGANSAPLFHDELFRDRYNHTFCFEKFP</p> <p>MEGWVAWMNLYRVFVGFLFPWALMLLSYRGILRAVRGSVSTERQE KAKIKRLALSLI</p> <p>AIVLVCFAPYHVLLLSRS AIYLGRPWD CGFEERVFSAYHSSLAFTSLN CVADPILYCL</p> <p>VNEGARSDVAKALHNLLR FLASDKPQEMANASLTLETPLTSKR NSTAKAMTGSWAA</p> <p>TPPSQGDQVQLKMLPPAQ</p> |
| <b>Applications</b>     | Antibody Production                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|-------------------------|--------------------------------------------------------------------------------------------------|
|                         | Functional Study<br>Compound Screening                                                           |
| <b>Usage</b>            | Heating may cause protein aggregation. Please do not heat this product before electrophoresis.   |
| <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>        | GPR4 G protein-coupled receptor 4 [ Homo sapiens ]                                               |
| <b>Official Symbol</b>  | GPR4                                                                                             |
| <b>Synonyms</b>         | GPR4; G protein-coupled receptor 4; G-protein coupled receptor 4; G-protein coupled receptor 19; |
| <b>Gene ID</b>          | 2828                                                                                             |
| <b>mRNA Refseq</b>      | NM_005282                                                                                        |
| <b>Protein Refseq</b>   | NP_005273                                                                                        |
| <b>MIM</b>              | 600551                                                                                           |
| <b>UniProt ID</b>       | P46093                                                                                           |

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