

# Recombinant Human GPR45 Protein

**Cat. No.** GPR45-5247H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GPR45 full-length ORF (NP_009158.3) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | This intronless gene encodes a member of the G protein-coupled receptor (GPCR) family. Members of this protein family contain seven putative transmembrane domains and may mediate signaling processes to the interior of the cell via activation of heterotrimeric G proteins. This protein may function in the central nervous system. [provided by RefSeq]                                             |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 42 kDa                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MACNSTSLEAYTYLLLNTSNASDSGSTQLPAPLRISLAIVMLLMTVVGFLGNTVVCIIV<br>YQRPAMRSAINLLLATLAFSDIMLSLCCMPFTAVTLITVRWHFGDHFCLRSATLYWFF<br>VLEGVAILLIISVDRFLIIVQRQDKLNPRRAKVIIAVSWVLSFCIAGPSLTGWTLVEVPA<br>RAPQCVLGYTELPADRAYVVTLVVAVFFAPFGVMLCAYMCILNTRKNAVRVHNQS<br>DSLRLQLTRAGLRRLQRQQQVSDLSFKTKAFTTILILFVGFSLCWLPHSVYSLLSV<br>FSQRFYCGSSFYATSTCVLWLSYLKSVFNPIVYCWRIKKFREACIELLPQTFQILPKV<br>PERIRRRIQPSTVYVCNENQSAV |
| <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>        | GPR45 G protein-coupled receptor 45 [ Homo sapiens ]                                                                                                                           |
| <b>Official Symbol</b>  | GPR45                                                                                                                                                                          |
| <b>Synonyms</b>         | GPR45; G protein-coupled receptor 45; probable G-protein coupled receptor 45; PSP24; PSP24A; PSP24-1; PSP24-alpha; high-affinity lysophosphatidic acid receptor; PSP24(ALPHA); |
| <b>Gene ID</b>          | 11250                                                                                                                                                                          |
| <b>mRNA Refseq</b>      | NM_007227                                                                                                                                                                      |
| <b>Protein Refseq</b>   | NP_009158                                                                                                                                                                      |
| <b>MIM</b>              | 604838                                                                                                                                                                         |
| <b>UniProt ID</b>       | Q9Y5Y3                                                                                                                                                                         |

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