

## Recombinant Mouse Gng4 Protein, MYC/DDK-tagged

**Cat. No.** Gng4-1036M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Purified recombinant protein of full-length mouse guanine nucleotide binding protein (G protein), gamma 4 (Gng4), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.                                                                                                                                                                |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | This gene encodes the gamma subunit of the heterotrimeric G-proteins that are comprised of alpha, beta and gamma subunits. Upon activation by G protein-coupled receptors, the beta-gamma heterodimer dissociates from the alpha subunit to activate downstream signaling events. Alternate splicing results in multiple transcript variants. |
| <b>Molecular Mass</b>   | 8.4 kDa                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                    |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                 |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                         |

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**GENE INFORMATION**

|                        |                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Gng4 guanine nucleotide binding protein (G protein), gamma 4 [ Mus musculus (house mouse) ]                                      |
| <b>Official Symbol</b> | Gng4                                                                                                                             |
| <b>Synonyms</b>        | Gng4; guanine nucleotide binding protein (G protein), gamma 4; guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-4 |
| <b>Gene ID</b>         | 14706                                                                                                                            |
| <b>mRNA Refseq</b>     | NM_010317                                                                                                                        |
| <b>Protein Refseq</b>  | NP_034447                                                                                                                        |
| <b>UniProt ID</b>      | P50153                                                                                                                           |

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