

## Recombinant Human GNG7

**Cat. No.** GNG7-28961TH    **Lot. No.** (See product label)

### SPECIFICATION

|                           |                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant full length Human G gamma7 with a N terminal proprietary tag;<br>Predicted MW 33.59 kDa.                       |
| <b>Species</b>            | Human                                                                                                                      |
| <b>Source</b>             | Wheat Germ                                                                                                                 |
| <b>ProteinLength</b>      | 68 amino acids                                                                                                             |
| <b>Description</b>        | Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-7 is a protein that in humans is encoded by the GNG7 gene. |
| <b>Molecular Weight</b>   | 33.590kDa inclusive of tags                                                                                                |
| <b>Tissue specificity</b> | Expressed in a variety of tissues. Down-regulated in pancreatic and esophageal cancer.                                     |
| <b>Form</b>               | Liquid                                                                                                                     |
| <b>Purity</b>             | Proprietary Purification                                                                                                   |
| <b>Storage buffer</b>     | pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione                                                                      |
| <b>Storage</b>            | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                  |

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**Sequences of amino acids** MSATNNIAQARKLVEQLRIEAGIERIKVSKAASDLMSYCEQHARNDPLLVGVPASEN  
PFKDKKPCIL

**Sequence Similarities** Belongs to the G protein gamma family.

## GENE INFORMATION

**Gene Name** GNG7 guanine nucleotide binding protein (G protein), gamma 7 [ Homo sapiens ]

**Official Symbol** GNG7

**Synonyms** GNG7; guanine nucleotide binding protein (G protein), gamma 7; guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-7; FLJ00058;

**Gene ID** 2788

**mRNA Refseq** NM\_052847

**Protein Refseq** NP\_443079

**MIM** 604430

**Uniprot ID** O60262

**Chromosome Location** 19p13.3

**Pathway** ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Activation of G protein gated Potassium channels, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; Activation of Kainate Receptors upon

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glutamate binding, organism-specific biosystem;

**Function**

signal transducer activity;

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