

## Recombinant Human GPR182, His-tagged

**Cat. No.** GPR182-13468H    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Recombinant Human GPR182 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

**Species**                      Human

**Source**                        E.coli

**ProteinLength**              C-term-95a.a.

**Description**                This gene encodes the gamma subunit of the N-acetylglucosamine-1-phosphotransferase complex. This hexameric complex, composed of alpha, beta and gamma subunits, catalyzes the first step in synthesis of a mannose 6-phosphate lysosomal recognition marker. This enzyme complex is necessary for targeting of lysosomal hydrolases to the lysosome. Mutations in the gene encoding the gamma subunit have been associated with mucopolipidosis IIIC, also known as mucopolipidosis III gamma.

**Storage**                        The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer**                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 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

### GENE INFORMATION

**Gene Name**                      [GPR182 G protein-coupled receptor 182 \[ Homo sapiens \]](#)

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|                            |   |
|----------------------------|---|
| <b>Official Symbol</b>     | GPR182  |
| <b>Synonyms</b>            | GPR182; G protein-coupled receptor 182; ADMR, adrenomedullin receptor; G-protein coupled receptor 182; AM R; G10D; hrhAMR; adrenomedullin receptor; AMR; 7TMR; ADMR; AM-R; gamrh; MGC34399; |
| <b>Gene ID</b>             | 11318   |
| <b>mRNA Refseq</b>         | NM_007264   |
| <b>Protein Refseq</b>      | NP_009195   |
| <b>MIM</b>                 | 605307  |
| <b>UniProt ID</b>          | O15218  |
| <b>Chromosome Location</b> | 12q13.3   |
| <b>Pathway</b>             | Myometrial Relaxation and Contraction Pathways, organism-specific biosystem;  |
| <b>Function</b>            | G-protein coupled receptor activity; adrenomedullin receptor activity; receptor activity; signal transducer activity; transmembrane signaling receptor activity;                            |

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