

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 ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 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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Official Symbol	GPR182
Synonyms	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;
Gene ID	11318
mRNA Refseq	NM_007264
Protein Refseq	NP_009195
MIM	605307
UniProt ID	O15218
Chromosome Location	12q13.3
Pathway	Myometrial Relaxation and Contraction Pathways, organism-specific biosystem;
Function	G-protein coupled receptor activity; adrenomedullin receptor activity; receptor activity; signal transducer activity; transmembrane signaling receptor activity;

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