

Recombinant Human GPR81, GST-tagged

Cat. No. GPR81-13490H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human GPR81 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 250-346a.a.

Description This gene encodes a member of the Golgi reassembly stacking protein family. These proteins may play a role in the stacking of Golgi cisternae and Golgi ribbon formation, as well as Golgi fragmentation during apoptosis or mitosis. The encoded protein also plays a role in the intracellular transport of transforming growth factor alpha and may function as a molecular chaperone. A pseudogene of this gene is located on the short arm of chromosome 2. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

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

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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|----------------------------|---|
| Gene Name | HCAR1 hydroxycarboxylic acid receptor 1 [Homo sapiens] |
| Official Symbol | HCAR1 |
| Synonyms | HCAR1; hydroxycarboxylic acid receptor 1; G protein coupled receptor 81 , G protein coupled receptor 104 , GPR81, GPR104; FKSG80; HCA1; LACR1; lactate receptor 1; TA GPCR; G protein-coupled receptor 81; G-protein coupled receptor 81; G protein-coupled receptor 104; G-protein coupled receptor 104; hydroxy-carboxylic acid receptor 1; T-cell activation G protein-coupled receptor; GPR81; GPR104; TA-GPCR; |
| Gene ID | 27198 |
| mRNA Refseq | NM_032554 |
| Protein Refseq | NP_115943 |
| MIM | 606923 |
| UniProt ID | Q9BXC0 |
| Chromosome Location | 12q24.31 |
| Pathway | GPCRs, Class A Rhodopsin-like, organism-specific biosystem; |
| Function | G-protein coupled receptor activity; receptor activity; signal transducer activity; |

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