

# Recombinant Full Length Human GPR21 Protein

**Cat. No.** GPR21-5504HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GPR21 full-length ORF (NP_005285.1) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 177 amino acids                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | This gene encodes a member of the G-protein-coupled receptor 1 family. G-protein coupled receptors are membrane proteins which activate signaling cascades as a response to extracellular stress. The encoded protein activates a Gq signal transduction pathway which mobilizes calcium. [provided by RefSeq, Nov 2012]                                                                             |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 39.5 kDa                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | <p>MNSTLDGNQSSHPFCLLAFGYLETVNFCLEVLIVFLTVLIISGNIIVFVFHCAPLLNH</p> <p>HTTSYFIQTMAYADLFVGVSCVPSLSLLHHPVEESLTCQIFGFVVSVLKSVMAS</p> <p>LACISIDRYIAITKPLTYNTLVTPWRLRLCIFIWLYSTLVFLPSFFHWGKPGYHGDVFQ</p> <p>WCAESWHTDSYFTLFIVMMLYAPAALIVCFTYFNIFRICQQHTKDISERQARFSSQSG</p> <p>ETGEVQACPDKRYAMVLFRITSVFYILWLPYIIYFLLESSTGHSNRFASFLTTLWLAIN</p> <p>SFCNCVIYSLSNSVQFQRLKRLSGAMCTSCASQTTANDPYTVRSKGPLNGCHI</p> |
| <b>Applications</b>     | Antibody Production                                                                                                                                                                                                                                                                                                                                                                                  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
|                       | Functional Study<br>Compound Screening                                   |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                          |

## GENE INFORMATION

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GPR21 G protein-coupled receptor 21 [ Homo sapiens ]                          |
| <b>Official Symbol</b> | GPR21                                                                         |
| <b>Synonyms</b>        | GPR21; G protein-coupled receptor 21; probable G-protein coupled receptor 21; |
| <b>Gene ID</b>         | 2844                                                                          |
| <b>mRNA Refseq</b>     | NM_005294                                                                     |
| <b>Protein Refseq</b>  | NP_005285                                                                     |
| <b>MIM</b>             | 601909                                                                        |
| <b>UniProt ID</b>      | Q99679                                                                        |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA