

Recombinant Full Length Human GPR3 Protein

Cat. No. GPR3-5510HF Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Human GPR3 full-length ORF (NP_005272.1) recombinant protein without tag. |
| Species | Human |
| Source | In Vitro Cell Free System |
| ProteinLength | 269 amino acids |
| Description | This gene is a member of the G protein-coupled receptor family and is found in the cell membrane. G protein-coupled receptors, characterized by a seven transmembrane domain motif, are involved in translating outside signals into G protein mediated intracellular effects. The encoded protein activates adenylate cyclase and modulates amyloid-beta production in a mouse model, suggesting that it may play a role in Alzheimer's disease. [provided by RefSeq, Oct 2012] |
| Form | Liquid |
| Molecular Mass | 35 kDa |
| AA Sequence | MMWGAGSPLAWLSAGSGNVNVSSVGAEGPTGPAAPLPSPKAWDVLICISGTLVS CENALVVAIIVGTPAFRAPMFLLVGSLAVADLLAGLGLVLHFAAVFCIGSAEMSLVLVG VLAMAFTASIGSLLAITVDRYLSLYNALTYSETTVTRTYVMLALVWGGALGLGLLPV LAWNCLDGLTTCGVVYPLSKNHLVLAIAFFMVFGIMLQLYAQICRIVCRHAQQIALQ RHLLPASHYVATRKGATLAVVLGAFAACWLPFTVYCLLGDHSPPLYTYLTLLPATY NSMINPIIYAFRNQDVQKVLWAVCCCCSSSKIPFRSRSPSDV |

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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

GENE INFORMATION

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|------------------------|---|
| Gene Name | GPR3 G protein-coupled receptor 3 [Homo sapiens] |
| Official Symbol | GPR3 |
| Synonyms | GPR3; G protein-coupled receptor 3; G-protein coupled receptor 3; ACCA; ACCA orphan receptor; adenylate cyclase constitutive activator; |
| Gene ID | 2827 |
| mRNA Refseq | NM_005281 |
| Protein Refseq | NP_005272 |
| MIM | 600241 |
| UniProt ID | P46089 |

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