

# Recombinant Human QRFPR, His-tagged

**Cat. No.** QRFPR-2093H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human QRFPR protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                             |
| <b>Species</b>          | Human                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                               |
| <b>ProteinLength</b>    | 303-431aa                                                                                                                                                            |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                            |
| <b>Storage Buffer</b>   | 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

|                        |                                                                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | QRFPR pyroglutamylated RFamide peptide receptor [ Homo sapiens ]                                                                                                                                                                                  |
| <b>Official Symbol</b> | QRFPR                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | QRFPR; pyroglutamylated RFamide peptide receptor; G protein coupled receptor 103 , GPR103; QRFP receptor; G protein-coupled receptor 103; G-protein coupled receptor 103; orexigenic neuropeptide QRFP receptor; AQ27; GPR103; SP9155; MGC149217; |

 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

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 84109                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>         | NM_198179                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | NP_937822                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>MIM</b>                 | 606925                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | Q96P65                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 4q27                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Pathway</b>             | Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Orexin and neuropeptides FF and QRFP bind to their respective receptors, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem; Signal Transduction, organism-specific biosystem; |
| <b>Function</b>            | G-protein coupled receptor activity; neuropeptide Y receptor activity; receptor activity; signal transducer activity;                                                                                                                                                                                                                                                                                                                                           |

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