

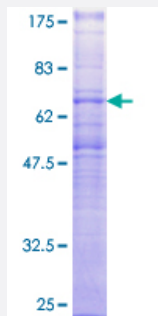
Full-Length

## GPR24 (Human) Recombinant Protein (P02)

Catalog # H00002847-P02

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human GPR24 full-length ORF ( AAH21146.1, 1 a.a. - 422 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MSVGAMKKGVGRAVGLGGSGCQATEEDPLPDCGACAPGQGGRWRLPQPAWVEGSSARL  
WEQATGTGWMDEASLLPTGPNASNTSDGPDNLTSAGSPPRTGSSISYNIIMPSVFGTICLLGIIGNS  
TVIFAVVKKSKLHWCNNVPDIFIINLSVVDLLFLLGMPFMIHQLMGNGVWHFGETMCTLITAMDANS  
QFTSTYILTAMADRYLATVHPISSTKFRKPSVATLVICLLWALSFISITPVWLYARLIPFPGGAVGCGI  
RLPNPDLDLYWFTLYQFFLAALPFVVITAAYVRILQRMTSSVAPASQRSIRLRTKRVTRTAIAICLVF  
FVCWAPYYVLQLTQLSISRPTLTFVYLYNAAISLGYANSCLNPFVYVLCETFRKRLVLSVKPAAQG  
QLRAVSNAQTADEERTESKGT

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

72.4

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

#### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — MCHR1

Entrez GeneID [2847](#)

GeneBank Accession# [BC021146.1](#)

Protein Accession# [AAH21146.1](#)

Gene Name MCHR1

Gene Alias GPR24, MCH1R, MGC32129, SLC1

Gene Description melanin-concentrating hormone receptor 1

Omim ID [601751](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene, a member of the G protein-coupled receptor family 1, is an integral plasma membrane protein which binds melanin-concentrating hormone. The encoded protein can inhibit cAMP accumulation and stimulate intracellular calcium flux, and is probably involved in the neuronal regulation of food consumption. Although structurally similar to somatostatin receptors, this protein does not seem to bind somatostatin. [provided by RefSeq]

**Other Designations** G protein-coupled receptor 24|G-protein coupled receptor 24

## Pathway

- [Neuroactive ligand-receptor interaction](#)

## Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hyperphagia](#)
- [Insulin Resistance](#)
- [NARP](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Postmortem Changes](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)