

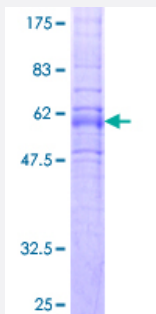
Full-Length

OPRL1 (Human) Recombinant Protein (P01)

Catalog # H00004987-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human OPRL1 full-length ORF (NP_000904.1, 1 a.a. - 370 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEPLFPAPFWEVIYGSHLQGNLSLLSPNHSLLPPHLLLNASHGAFLPLGLKVTIVGLYLAVCVGGL
LGNCCLVMYILRHTKMKTATNIYFNLALADTLVLLTLPFQGT DILLGFWPFGNALCKTVIAIDYNNMFT
STFTLTAMSVD RYVAICHPIRALDVRTSSKAQAVNVAIWALASVVGVPVAIMGSAQVEDEEIECLV
EIPTPQDYWGVPVFAICIFLFSFIVPVLVISVCYSLMIRRLRGVRLLSGSREKDRNLRRITRLVLVVAV
FVGCWTPVQVFVLAQGLGVQPSSETAVAILRFCTALGYVNSCLNPILYAFLDENFKACFRKFCCA
SALRRDVQVSDRVRSIAKDVALACKTSETVPRPA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.1

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 — OPRL1

Entrez GeneID [4987](#)

GeneBank Accession# [NM_000913.3](#)

Protein Accession# [NP_000904.1](#)

Gene Name OPRL1

Gene Alias KOR-3, MGC34578, NOCIR, OOR, ORL1

Gene Description opiate receptor-like 1

Omim ID [602548](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a G protein-coupled receptor whose expression can be induced by phytohemagglutinin. The encoded integral membrane protein is a receptor for the 17 aa neuropeptide nociceptin/orphanin FQ. This gene may be involved in the regulation of numerous brain activities, particularly instinctive and emotional behaviors. A promoter for this gene also functions as a promoter for another gene, regulator of G-protein signalling 19 (RGS19), located on the opposite strand. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations LC132 receptor-like|OTTHUMP00000031640|OTTHUMP00000031641|OTTHUMP00000031642|kappa3-related opioid receptor|nociceptin receptor|orphanin FQ receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Disease Models](#)
- [Genetic Predisposition to Disease](#)
- [NARP](#)
- [Opioid-Related Disorders](#)
- [Substance-Related Disorders](#)