

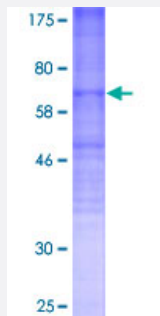
Full-Length

OPRM1 (Human) Recombinant Protein (P01)

Catalog # H00004988-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human OPRM1 full-length ORF (NP_000905.3, 1 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDSSAAPTNASNCTDALAYSSCSPAPSPGSWVNLSHLDGNLSDPCGPNRTDLGGRDSLCPPT
GSPSMITAITIMALYSVCVVGFLGNFLVMYVMRYTKMKTATNMFNLALADALATSTLPFQSVNYLM
GTWPFGTILCKIVISIDYNNMFTSIFTLCTMSVDRIYVCHPVKALDFRTPRNAKIIIVCNWILSSAIGLP
VMFMATTKYRQGSIDCTLTFSHPTWYWENLLKICVFIFAFIMPVLIITVCYGLMILRLKSVRMLSGSKE
KDRNLRRITRMVLVVAVFIVCWTPIHVYIIKALVTIPETTFQTVSWHFCIALGYTNSCLNPVLYAFLD
ENFKRCFREFCIPTSSNIEQQNSTIRQNTDRHPSTANTVDRTNHQLENLEAETAPLP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.2

Interspecies Antigen Sequence

Mouse (94); Rat (94)

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 — OPRM1

Entrez GeneID[4988](#)**GeneBank Accession#**[NM_000914.2](#)**Protein Accession#**[NP_000905.3](#)**Gene Name**

OPRM1

Gene Alias

KIAA0403, MOR, MOR1, OPRM

Gene Description

opioid receptor, mu 1

Omim ID[600018](#) [600669](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

O

Other Designations

mu opiate receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Alcohol-Related Disorders](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Appetite](#)
- [Arousal](#)
- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bulimia](#)
- [Child Behavior Disorders](#)
- [Choice Behavior](#)
- [Chronic Disease](#)
- [Cocaine-Related Disorders](#)
- [Cognitive Therapy](#)
- [Confusion](#)
- [Crohn Disease](#)
- [Cues](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diabetic Foot](#)
- [Diabetic Neuropathies](#)
- [Disease Models](#)

- [Ductus Arteriosus](#)
- [Dyskinesia](#)
- [Epilepsy](#)
- [Fibromyalgia](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
- [Heroin Dependence](#)
- [Hyperalgesia](#)
- [Hyperparathyroidism](#)
- [Infant](#)
- [Inhibition \(Psychology\)](#)
- [Insulin Resistance](#)
- [Ischemia](#)
- [Kidney Failure](#)
- [Leiomyoma](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Memory](#)
- [Mental Disorders](#)
- [NARP](#)
- [Nausea](#)
- [Neoplasms](#)
- [Neuroblastoma](#)
- [Obesity](#)
- [Opioid-Related Disorders](#)

- [Ovarian Failure](#)
- [Pain](#)
- [Pain Threshold](#)
- [Parkinson disease](#)
- [Perception](#)
- [Polycystic Ovary Syndrome](#)
- [Postoperative Nausea and Vomiting](#)
- [Pruritus](#)
- [Psychiatric Status Rating Scales](#)
- [Psychoses](#)
- [Psychotic Disorders](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Reaction Time](#)
- [Recurrence](#)
- [Reinforcement \(Psychology\)](#)
- [Reward](#)
- [Schizophrenia](#)
- [Social Perception](#)
- [Startle Reaction](#)
- [Stress](#)
- [Substance Withdrawal Syndrome](#)
- [Substance-Related Disorders](#)
- [Taste](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)

- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)
- [Werner syndrome](#)