

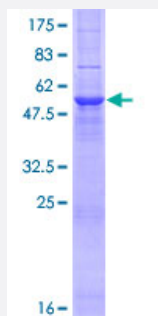
Full-Length

OPRS1 (Human) Recombinant Protein (P01)

Catalog # H00010280-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human OPRS1 full-length ORF (NP_005857.1, 1 a.a. - 223 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MQWAVGRRWAWAALLLAVAAVL TQVVWLWLGTQSFVFQREEIAQLARQYAGLDHELAFSRLIVE LRRLHPGHVLPDEELQWVFVNAGGWMGAMCLLHASLSEYVLLFGTALGSRGHSGRYWAEISDTII SGTFHQWREGTTKSEVFYPGETTVVHGPGEATAVEWGPNTWMVEYGRGVIPSTLAFALADTVFST QDFLTLFYTLRSYARGRLRLELTTYLFGQDP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	51.5
Interspecies Antigen Sequence	Mouse (90); Rat (93)
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 — SIGMAR1

Entrez GeneID [10280](#)

GeneBank Accession# [NM_005866.2](#)

Protein Accession# [NP_005857.1](#)

Gene Name SIGMAR1

Gene Alias FLJ25585, MGC3851, OPRS1, SR-BP1

Gene Description sigma non-opioid intracellular receptor 1

Omim ID [601978](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a receptor protein that interacts with a variety of psychotomimetic drugs, including cocaine and amphetamines. The receptor is believed to play an important role in the cellular functions of various tissues associated with the endocrine, immune, and nervous systems. As indicated by its previous name, opioid receptor sigma 1 (OPRS1), the product of this gene was erroneously thought to function as an opioid receptor; it is now thought to be a non-opioid receptor. Alternative splicing of this gene results in transcript variants encoding distinct isoforms. [provided by RefSeq]

Other Designations OTTHUMP00000000515|OTTHUMP00000000516|OTTHUMP00000000517|OTTHUMP00000021286|SR31747 binding protein 1|aging-associated gene 8 protein|opioid receptor, sigma 1|sigma 1 receptor|type I sigma receptor

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cognition](#)
- [Cognition Disorders](#)
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- [Neuropsychological Tests](#)
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- [Psychiatric Status Rating Scales](#)
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- [Schizophrenic Psychology](#)