

Recombinant Full Length Mouse Oprm1 Protein, His tagged

Cat. No. Oprm1-15M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mouse Oprm1 Protein with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	1-398 aa
Description	This gene encodes the mu opioid receptor which is where drugs such as morphine and other opioids have pharmacological effects. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.
AASequence	MDSSAGPGNISDCSDPLAPASCSPAPGSWLNLSHVDGNQSDPCGPNRTGLGGSH SLCPQTGSPSMVTAITIMALYSIVCVVGLFGNFLVMYVIVRYTKMKTATNIYIFNLALAD ALATSTLPFQSVNYLMGTWPFGNILCKIVISIDYYNMFTSIFTLCTMSVDRYIAVCHPV KALDFRTPRNAKIVNVCNWILSSAIGLPVMFMATTKYRQGSIDCTLTFSHPTWYWEN LLKICVFIFAFIMPVLIITVCYGLMILRLKSVRMLSGSKEKDRNLRRITRMVLVVAVFIV CWTPIHIYVIAKALITIPETTFQTVSWHFCIALGYTNSCLNPVLYAFLDENFKRCFREFCI PTSSTIEQQNSARIRQNTREHPSTANTVDRTNHQLENLEAETAPLP
Molecular Mass	45.9 kDa
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

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protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer

Lyophilized from PBS, 0.05% Brij78, 6% Trehalose, pH7.4 The volume before lyophilization is 156µl/vial.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20/-80 centigrade. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene ID

18390

Gene Name

Oprm1 opioid receptor, mu 1 [*Mus musculus* (house mouse)]

Official Symbol

18390

Synonyms

OPRM1; opioid receptor, mu 1; mu-type opioid receptor; MOP receptor; mor; Oprm; muOR; MOP-R; MOR-1; M-OR-1; MOR-1O; mu-type opioid receptor; MOP receptor; mu opioid receptor MOR-1BI; mu opioid receptor MOR-1P

mRNA Refseq

NM_001039652

Official Symbol 2

Oprm1

Gene ID 2

18390

Gene Name 2

Oprm1 opioid receptor, mu 1 [*Mus musculus* (house mouse)]

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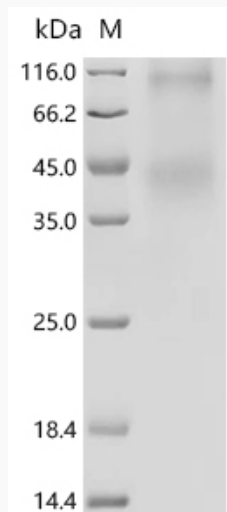
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mRNA Refseq 2 [NM_001039652](#)

Protein Refseq 2 [NP_001034741](#)

UniProt ID 2 [E9Q7D4](#)

SDS-PAGE



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