

Recombinant Full Length Rat Oprm1 Protein, Flag tagged

Cat. No. RFL5823RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Oprm1 Protein (1-398 aa) with Flag tag was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	1-398 aa
Description	Enables several functions, including G-protein beta-subunit binding activity; morphine receptor activity; and voltage-gated calcium channel activity. Involved in several processes, including G protein-coupled receptor signaling pathway; estrous cycle; and regulation of signal transduction. Located in several cellular components, including dendrite; focal adhesion; and perikaryon. Is active in postsynaptic membrane; presynaptic membrane; and spine apparatus. Used to study obesity. Biomarker of brain ischemia; extrahepatic cholestasis; human immunodeficiency virus infectious disease; obesity; and sciatic neuropathy. Human ortholog(s) of this gene implicated in several diseases, including alcohol dependence; alcohol use disorder; drug dependence (multiple); drug psychosis; and withdrawal disorder (multiple). Orthologous to human OPRM1 (opioid receptor mu 1).
Molecular Mass	45.9 kDa
Purity	> 85% by SDS-PAGE

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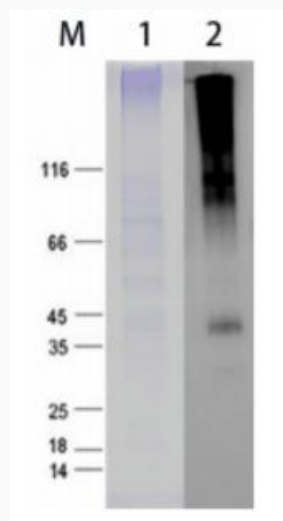
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store at -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Stable for at least 1 year from receipt of products under proper storage and handling conditions
Concentration	0.17 mg/mL by Bradford
Storage Buffer	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
GENE INFORMATION	
Gene Name	Oprm1 opioid receptor, mu 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Oprm1
Synonyms	Oprm1; opioid receptor, mu 1; MORA; Oprm; Oprm1; mu-type opioid receptor; M-OR-1; MOR-1; MUOR1; opioid receptor B
Gene ID	25601
mRNA Refseq	NM_013071
Protein Refseq	NP_037203
UniProt ID	P33535

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WB



Lane 1. Purified recombinant Rat Oprm1 protein was analyzed by Tricine-SDS-PAGE 12% gel, run with Tris-Glycine running buffer Lane 2. Oprm1 protein analyzed by Western blot using anti-DDK Mab

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