

Product Information

MemDX™ Membrane Protein Human OPRM1 (Opioid receptor mu 1)

Cat. No.: **MPX0380K**

This product is for research use only and is not intended for diagnostic use.

This product is a Human OPRM1 membrane protein. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

OPRM1

Protein Class

GPCR

TMD

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Product Description

Protein Format

Proteoliposome

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

OPRM1

Full Name

Opioid receptor mu 1

Introduction

This gene encodes one of at least three opioid receptors in humans; the mu opioid receptor (MOR). The MOR is the principal target of endogenous opioid peptides and opioid analgesic agents such as beta-endorphin and enkephalins. The MOR also has an important role in dependence to other drugs of abuse, such as nicotine, cocaine, and alcohol via its modulation of the dopamine system. The NM_001008503.2:c.118A>G allele has been associated with opioid and

alcohol addiction and variations in pain sensitivity but evidence for it having a causal role is conflicting. Multiple transcript variants encoding different isoforms have been found for this gene. Though the canonical MOR belongs to the superfamily of 7-transmembrane-spanning G-protein-coupled receptors some isoforms of this gene have only 6 transmembrane domains.

Alternative Names

OPRM1; MOP; MOR; LMOR; MOR1; OPRM; M-OR-1; mu-type opioid receptor; mu opiate receptor; mu opioid receptor hMOR-1a; Opioid receptor mu 1

Gene ID

[4988](#)

UniProt ID

[P35372](#)