

Product Information

MemDX™ Membrane Protein Human SIGMAR1 (Sigma non-opioid intracellular receptor 1)

Full Length

Cat. No.: **MPC1116K**

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

This product is a 25.1 kDa Human SIGMAR1 membrane protein expressed in Baculovirus/Insect expression system. 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

SIGMAR1

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

25.1 kDa

TMD

1

Sequence

MQWAVGRRWAWAALLLAVAAVLTQVVWLWLGTQSFVFQREEIAQLARQYA
GLDHELAFSRLIVELRRLHPGHVLPDEELQWVFNAGGWMGAMCLLHASL
SEYVLLFGTALGSRGHSGRYWAEISDTIISGTFHQWREGTTKSEVFYPGE
TVVHGPGEATAVEWGPNTWMVEYGRGVIPSTLAFALADTVFSTQDFTLTF
YTLRSYARGRLRLELTLYLFGQDP

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag tag at N-terminal

Protein Format

Detergent or based on specific requirements

Form

Liquid

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**

SIGMAR1

Full Name

Sigma non-opioid intracellular receptor 1

Introduction

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. Mutations in this gene has been associated with juvenile amyotrophic lateral sclerosis 16. Alternative splicing of this gene results in transcript variants encoding distinct isoforms.

Alternative Names

SIGMAR1; SRBP; ALS16; DSMA2; OPRS1; SR-BP; SIG-1R; SR-BP1; sigma1R; hSigmaR1; SR31747 binding protein 1; aging-associated gene 8 protein; sigma 1-type opioid receptor; AAG8; Sigma non-opioid intracellular receptor 1

Gene ID

[10280](#)

UniProt ID

[Q99720](#)