

Product Information

MemDX™ Membrane Protein Human ADRA2C (Adrenoceptor alpha 2C) Full Length

Cat. No.: **MPC0030K**

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

This product is a 49.5 kDa Human ADRA2C 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

ADRA2C

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

49.5 kDa

TMD

7

Sequence

MASPALAAALAVAAAAGPNASGAGERGSGGVANASGASWGPPRGQYSAGA
VAGLAAVVGFLIVFTVVGNVLVVIAVLTSRALRAPQNLFLVSLASADILV
ATLVMPFSLANELMAYWYFGQVWCGVYLALDVLFACTSSIVHLCAISLDRY
WSVTQAVEYNLKRTPRRVKATIVAVWLISAVISFPPLVSLYRQPDGAAYP
QCGLNDETWYILSSCIGSFFAPCLIMGLVYARIYVAKLRTRLSEKRAP
VGPDGASPTTENGLGAAAGAGENGHCAPPADVEPDESSAAAERRRRRGA
LRRGGRRRAGAEGGAGGADGQGAGPGAESGALTASRSPGPGGRLSRASS
RSVEFFLSRRRRARSSVCRRKVAQAREKRFTFVLAVVMGVFVLCWFPPFF
SYSLYGICREACQVPGPLFKFFFWIGYCNSLNPVIYTVFNQDFRRSFKH
ILFRRRRRRGRFRQ

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

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

ADRA2C

Full Name

Adrenoceptor alpha 2C

Introduction

Alpha-2-adrenergic receptors are members of the G protein-coupled receptor superfamily. They include 3 highly homologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. The mouse studies revealed that both the alpha2A and alpha2C subtypes were required for normal presynaptic control of transmitter release from sympathetic nerves in the heart and from central noradrenergic neurons. The alpha2A subtype inhibited transmitter release at high stimulation frequencies, whereas the alpha2C subtype modulated neurotransmission at lower levels of nerve activity. This gene encodes the alpha2C subtype, which contains no introns in either its coding or untranslated sequences.

Alternative Names

ADRA2L2; ADRARL2; ADRA2RL2; ALPHA2CAR; adrenergic, alpha-2C-, receptor; alpha-2 adrenergic receptor subtype C4; alpha-2C adrenoceptor; alpha-2C adrenoreceptor; alpha-2CAR; alpha2-AR-C4; ADRA2C; Adrenoceptor alpha 2C

Gene ID

[152](#)

UniProt ID

[P18825](#)