

Product Information

MemDX™ Membrane Protein Human ADRA2C (Adrenoceptor alpha 2C) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3591K**

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

This product is a Human ADRA2C membrane protein expressed *in vitro* *E.coli* 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

TMD

7

Sequence

MASPALAAALAVAAAAGPNASGAGERGSGGVANASGASWGPPRGQYSAGAVAGLAAVGFLIVFTVGNVLVIAVLTSRALRAP

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

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

Gene ID

[152](#)

UniProt ID

[P18825](#)