

Product Information

MemDX™ Membrane Protein Human ADRB2 (Adrenoceptor beta 2) Full Length

Cat. No.: **MPC0032K**

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

This product is a 46.4 kDa Human ADRB2 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

ADRB2

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

46.4 kDa

TMD

7

Sequence

MGQPGNGSAFLLAPNGSHAPDHDVTQERDEVWVVGMGIVMSLIVLAIVFG
NVLVITAIKFERLQTVTNFYFITSACADLVMGLAVVPFGAAHILMKMWT
FGNFWCEFWTSIDVLCVTASIELTLCVIAVDYFAITSPFKYQSLLTKNKA
RVIIIMVWIVSGLTSFLPIQMHWRATHQEAINCYANETCCDFFTNQAYA
IASSIVSFYVPLVIMVFVYSRVFQEAKRQLQKIDKSEGRFHVQNLSQVEQ
DGRGTGHGLRRSSKFCLKEHKALKTLGIIMGTFTLCWLPFFIVNIVHVIQD
NLIRKEYVILLNWIGYVNSGFNPLIYCRSPDFRIAFQELLCLRRSSLKAY
GNGYSSNGNTGEQSGYHVEQEKENKLLCEDLPGTEDFVGHQGTVPDNDID
SQGRNCSTNDSLL

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**

ADRB2

Full Name

Adrenoceptor beta 2

Introduction

This gene encodes beta-2-adrenergic receptor which is a member of the G protein-coupled receptor superfamily. This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca(V)1.2. This receptor-channel complex also contains a G protein, an adenylyl cyclase, cAMP-dependent kinase, and the counterbalancing phosphatase, PP2A. The assembly of the signaling complex provides a mechanism that ensures specific and rapid signaling by this G protein-coupled receptor. This receptor is also a transcription regulator of the alpha-synuclein gene, and together, both genes are believed to be associated with risk of Parkinson's Disease. This gene is intronless. Different polymorphic forms, point mutations, and/or downregulation of this gene are associated with nocturnal asthma, obesity, type 2 diabetes and cardiovascular disease.

Alternative Names

BAR; B2AR; ADRBR; ADRB2R; BETA2AR; adrenergic, beta-2-, receptor, surface; adrenoceptor beta 2 surface; beta-2 adrenoceptor; beta-2 adrenoreceptor; catecholamine receptor; ADRB2; Adrenoceptor beta 2

Gene ID

[154](#)

UniProt ID

[P07550](#)