SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

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
NVLVITAIAKFERLQTVTNYFITSLACADLVMGLAVVPFGAAHILMKMWT
FGNFWCEFWTSIDVLCVTASIETLCVIAVDRYFAITSPFKYQSLLTKNKA
RVIILMVWIVSGLTSFLPIQMHWYRATHQEAINCYANETCCDFFTNQAYA
IASSIVSFYVPLVIMVFVYSRVFQEAKRQLQKIDKSEGRFHVQNLSQVEQ
DGRTGHGLRRSSKFCLKEHKALKTLGIIMGTFTLCWLPFFIVNIVHVIQD
NLIRKEVYILLNWIGYVNSGFNPLIYCRSPDFRIAFQELLCLRRSSLKAY
GNGYSSNGNTGEQSGYHVEQEKENKLLCEDLPGTEDFVGHQGTVPSDNID
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

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