

Product Information

MemDX™ Membrane Protein Human ADRB3 (Adrenoceptor beta 3) Full Length

Cat. No.: **MPC0033K**

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

This product is a 43.5 kDa Human ADRB3 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

ADRB3

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

43.5 kDa

TMD

7

Sequence

MAPWPHENSSLAPWPDLPNTANTSGLPWPWEAALAGALLALAVLA
TVGGNLLVIVAIWTPRLQTMNTNFVTSAAADLVMGLLVPPAATLALT
GHWPLGATGCELWTSVDVLCVTASIELCALAVDRYLAVTNPLRYGALVT
KRCARTAVVLVWVVSAAVSFAPIMSQWVRVGADAEARCHSNPRCCAFAS
NMPYVLLSSVSFYLLVLMFVYARVFVATRQLRLLRGELGRFPPEES
PPAPSRSLAPAPVGTCAPEGVPACGRRPARLLPLREHRALCTLGLIMGT
FTLCWLPPFLANVLRALGGPSLVPGPAFLALNWLGYANSFNPFIYCRSP
DFRSAFRLLCRCGRRLPPEPCAAARPALFSPGVPAARSSPAQPRLCQRL
DGASWGV

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**

ADRB3

Full Name

Adrenoceptor beta 3

Introduction

The protein encoded by this gene belongs to the family of beta adrenergic receptors, which mediate catecholamine-induced activation of adenylate cyclase through the action of G proteins. This receptor is located mainly in the adipose tissue and is involved in the regulation of lipolysis and thermogenesis. Obesity and bodyweight-related disorders are correlated with certain polymorphisms in three subtypes of beta-adrenoceptor, among them, the ADRB3 gene.

Alternative Names

BETA3AR; adrenergic, beta-3-, receptor; beta-3 adrenoceptor; beta-3 adrenoreceptor; ADRB3; Adrenoceptor beta 3

Gene ID

[155](#)

UniProt ID

[P13945](#)