

Product Information

MemDX™ Membrane Protein Human ADRA1D (Adrenoceptor alpha 1D) Full Length

Cat. No.: **MPC0027K**

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

This product is a 60.4 kDa Human ADRA1D membrane protein expressed in HEK293. 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

ADRA1D

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

60.4 kDa

TMD

7

Sequence

MTFRDLLSVSFEGPRPDSSAGGSSAGGGGGSAGGAAPSEGPVGGVPGGA
GGGGGVVGAGSGEDNRSSAGEPGSAGAGGDVNGTAAVGGLVSAQGVGVG
VFLAAFILMAVAGNLLVILSVACNRHLQTVTNYFIVNLAVADLLLSATVL
PFSATMEVLGFWAFGRAFCDVWAAVDVLCCTASILSLCTISVDRIYGVVRH
SLKYPAIMTERKAAAILALLWVVALVSVGPPLLGWKEPVPPDERFCGITE
EAGYAVFSSVCSFYLPMAVIVVMYCRVYVVARSTTRSLEAGVKRERKAS
EVLRIHCRGAATGADGAHGMRSAKGHTFRSSLSVRLKFSREKKAATL
AIVGVFVLCWFPPFFVPLPLGSLFPQLKPSEGVEFKVIFWLGYFNVCVNPL
IYPCSSREFKRAFLRLRCQCRRRRRRRRPLWRVYGHHRASTSGLRQDCA
PSSGDAPPGAPLALTALPDPEPPGTPEMQAPVASRRKPPSAFREWRL
GPFRRPTTQLRAKVSSLSHKIRAGGAQRAEAACAQRSEVEAVSLGVPHEV
AEGATCQAYELADYSNLRETDI

Product Description

Expression Systems

HEK293

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**

ADRA1D

Full Name

Adrenoceptor alpha 1D

Introduction

Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1D-adrenergic receptor. Similar to alpha-1B-adrenergic receptor gene, this gene comprises 2 exons and a single intron that interrupts the coding region.

Alternative Names

DAR; ADRA1; ADRA1A; ADRA1R; ALPHA1; dJ779E11.2; adrenergic, alpha -1D-, receptor; adrenergic, alpha-1A-, receptor; alpha-1A adrenergic receptor; alpha-1D adrenoceptor; alpha-1D adrenoreceptor; alpha-adrenergic receptor 1a; ADRA1D; Adrenoceptor alpha 1D

Gene ID

[146](#)

UniProt ID

[P25100](#)