

Product Information

MemDX™ Membrane Protein Human ADRA1A (Adrenoceptor alpha 1A) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3594K**

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

This product is a Human ADRA1A 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

ADRA1A

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MVFLSGNASDSSNCTQPPAPVNISKAILLGVLGGLILFGVLGNILVILSVACHRHLHSVTHYYIVNLAVADLLLTSTVLPFSAIFEVLGY

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

ADRA1A

Full Name

Adrenoceptor alpha 1A

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-1A-adrenergic receptor. Alternative splicing of this gene generates four transcript variants, which encode four different isoforms with distinct C-termini but having similar ligand binding properties.

Alternative Names

ADRA1A; ADRA1C; ADRA1L1; ALPHA1AAR; alpha-1A adrenergic receptor; G protein coupled receptor; alpha-1A adrenoceptor; alpha-1A adrenoreceptor; alpha-1C adrenergic receptor; Adrenoceptor alpha 1A

Gene ID

[148](#)

UniProt ID

[P35348](#)