

# 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](#)