

## Product Information

### MemDX™ Membrane Protein Human ADRA1A (Adrenoceptor alpha 1A) Full Length

Cat. No.: **MPC0025K**

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

This product is a 51.4 kDa Human ADRA1A 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

ADRA1A

##### Protein Length

Full length

##### Protein Class

GPCR

##### Molecular Weight

51.4 kDa

##### TMD

7

##### Sequence

MVFLSGNASDSSNCTQPPAPVNISKAILLGVLGGLILFGVLGNILVILS  
VACHRHLHSVTHYYIVNLAVADLLLTSTVLPFSAIFEVLGYWAFGRVFCN  
IWAADVLCCTASIMGLCIISIDRYIGVSYPLRYPTIVTQRRGLMALLCV  
WALSLVISIGPLFGWRQPAPEDETICQINEEPGYVLFSAALGSFYLPALII  
LVMYCRVYVVAKRERGLKSGDKTDKSDSEQVTLRIHRKNAPAGSGMAS  
AKTKTHFSVRLLKFSREKKAATLGIVVGCFLCWLPFFLVMPIGSFFPD  
FKPSETVFKIVFWLGYLNSCINPIIYPCSSQEFKKAQNVLRIQCLCRKQ  
SSKHALGYTLHPPSQAVEGQHKDMVRIPVGSRETFYRISKTDGVCEWKFF  
SSMPRGSARITVSKDQSSCTTARVRSKSFLQVCCCVGPSTPSLDKNHQVP  
TIKVHTISLSENGEEV

#### 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**

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**

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

### **Gene ID**

[148](#)

### **UniProt ID**

[P35348](#)