

## Recombinant Human ADRA1A, His-tagged

Cat. No. ADRA1A-3314H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Alpha-1A adrenergic receptor (ADRA1A)

**Species** Human

**Source** E.Coli/Yeast

**ProteinLength** 466

**Description**

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.

**Form**

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

**Purity**

>90%

**Notes**

Small volumes of ADRA1A recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Storage</b>	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
<b>Storage Buffer</b>	PBS pH 7.4, 50% glycerol
<b>Warning</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">ADRA1A adrenergic, alpha-1A-, receptor [ Homo sapiens ]</a>
<b>Official Symbol</b>	ADRA1A
<b>Synonyms</b>	ADRA1A; adrenergic, alpha-1A-, receptor; ADRA1C; alpha-1A adrenergic receptor; ADRA1L1; alpha-1A adrenoceptor; alpha-1A adrenoceptor; G protein coupled receptor; alpha-1C adrenergic receptor; adrenergic, alpha-1A-, receptor variant 1; adrenergic, alpha-1A-, receptor variant 3; adrenergic, alpha-1A-, receptor variant 5; adrenergic, alpha-1A-, receptor variant 8; ALPHA1AAR;
<b>Gene ID</b>	<a href="#">148</a>
<b>mRNA Refseq</b>	<a href="#">NM_000680</a>
<b>Protein Refseq</b>	<a href="#">NP_000671</a>
<b>MIM</b>	<a href="#">104221</a>
<b>UniProt ID</b>	<a href="#">P35348</a>
<b>Chromosome Location</b>	8p21.2

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**Pathway**

Adrenoceptors, organism-specific biosystem; Amine ligand-binding receptors, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway

**Function**

G-protein coupled receptor activity; adrenergic receptor activity; alpha1-adrenergic receptor activity; alpha1-adrenergic receptor activity; alpha1-adrenergic receptor activity; receptor activity; signal transducer activity;

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