Recombinant Human ADRA1A protein, His & T7-tagged

Cat. No. ADRA1A-6778H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADRA1A aa. (Ser330~Val466 (Accession # P35348)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser330~Val466
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.2kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

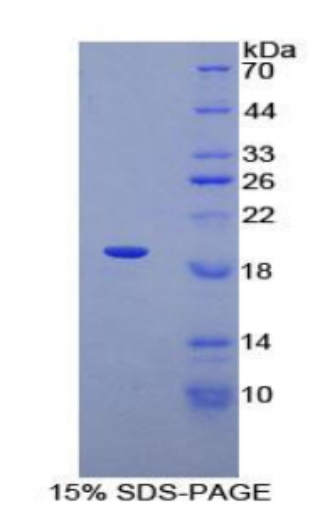
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Characteristic	The isoelectric point is 9.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	ADRA1A adrenoceptor alpha 1A [Homo sapiens (human)]
Official Symbol	ADRA1A
Synonyms	ADRA1C; ADRA1L1; ALPHA1AAR; G protein coupled receptor; adrenergic, alpha-1A-, receptor; alpha-1A adrenoceptor; alpha-1A adrenoreceptor; alpha-1C adrenergic receptor; alpha-1A adrenergic receptor
Gene ID	148
mRNA Refseq	NM_000680.3

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Protein Refseq	NP_000671.2
UniProt ID	P35348
SDS-PAGE	

15% SDS-PAGE

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