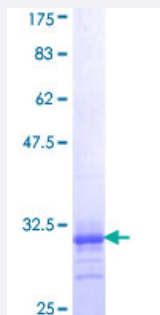


ADRA1A (Human) Recombinant Protein (Q01)

Catalog # H00000148-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human ADRA1A partial ORF (NP_150646, 1 a.a. - 27 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MVFLSGNASDSSNCTQPPAPVNISKAI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	28.71
Interspecies Antigen Sequence	Mouse (78); Rat (81)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ADRA1A

Entrez GeneID [148](#)

GeneBank Accession# [NM_033303](#)

Protein Accession# [NP_150646](#)

Gene Name ADRA1A

Gene Alias ADRA1C, ADRA1L1, ALPHA1AAR

Gene Description adrenergic, alpha-1A-, receptor

Omim ID [104221](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations G protein coupled receptor|OTTHUMP00000125313|adrenergic, alpha -1A-, 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|adrenergic

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Acute Disease](#)
- [Alzheimer disease](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Drug Toxicity](#)
- [Dyskinesia](#)
- [Edema](#)
- [Fibromyalgia](#)
- [Gastroparesis](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Low Back Pain](#)
- [Low Tension Glaucoma](#)
- [Mental Disorders](#)

- [Metabolic Syndrome X](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Pain](#)
- [Parkinson disease](#)
- [Prostatic Hyperplasia](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Radius Fractures](#)
- [Reflex Sympathetic Dystrophy](#)
- [Schizophrenia](#)
- [Sciatica](#)
- [Syncope](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Wounds and Injuries](#)