

Proteoliposomes

Full-Length

ADRA2A (Human) Recombinant Protein

Catalog # H00000150-G01

Size 10 ug

Specification

Product Description

Human ADRA2A full-length ORF (NP_000672.2) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MGSLQPDAGNASWNGTEAPGGGARATPYSLQVTLTVCLAGLLMLLTVFGNVLVIAVFTSRALKA
PQNLFLVSLASADILVATLVIPFSLANEVMGYWYFGKAWCEMLALDVLCTSSIVHLCAISLDRYW
SITQAIENLKRTPRRIKAIIITVWVISAVISFPPLISIEKKGGGGGPQPAEPRCEINDQKWYVSSCIGSF
FAPCLIMILVYVRIYQIAKRRTVPSPRRGPDAAVAPPGGTERRPNGLGPERSAGPGGAEEPLPT
QLNGAPGEPAPAGPRDTDALDLEESSSSDHAERPPGPRRPERGPRGKGKARASQVKPGDSL
RRGPGATGIGTPAAGPGEERVGAAKASRWGRQNRKRTFVLAVVIGVFVVCWFPPFFFTYTLT
AVGCSVPRTLKFFFWFGYCNSSLNPVYTIFNHDFRRAFKKILCRGDRKRV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

49

Interspecies Antigen Sequence

Mouse (92); Rat (91)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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

- Antibody Production

Gene Info — ADRA2A

Entrez GeneID [150](#)

GeneBank Accession# [NM_000681.2](#)

Protein Accession# [NP_000672.2](#)

Gene Name ADRA2A

Gene Alias ADRA2, ADRA2R, ADRAR, ALPHA2AAR, ZNF32

Gene Description adrenergic, alpha-2A-, receptor

Omim ID [104210](#)

Gene Ontology [Hyperlink](#)

Gene Summary Alpha-2-adrenergic receptors are members of the G protein-coupled receptor superfamily. They include 3 highly homologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. Studies in mouse revealed that both the alpha2A and alpha2C subtypes were required for normal presynaptic control of transmitter release from sympathetic nerves in the heart and from central noradrenergic neurons; the alpha2A subtype inhibited transmitter release at high stimulation frequencies, whereas the alpha2C subtype modulated neurotransmission at lower levels of nerve activity. This gene encodes alpha2A subtype and it contains no introns in either its coding or untranslated sequences. [provided by RefSeq]

Other Designations OTTHUMP00000058849|alpha-2-adrenergic receptor, platelet type|alpha-2A adrenoceptor|alpha-2A-adrenergic receptor|alpha-2AAR subtype C10|alpha2A adrenergic receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Acute Disease](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)

- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Body Weight](#)
- [Brief Psychiatric Rating Scale](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Choice Behavior](#)
- [Cognition](#)
- [Colitis](#)
- [Constipation](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Drug Toxicity](#)
- [Dyskinesia](#)
- [Dyslexia](#)
- [Dyspepsia](#)
- [Edema](#)
- [Extraversion \(Psychology\)](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhagic Disorders](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Hyperuricemia](#)

- [Hypotension](#)
- [Impulse Control Disorders](#)
- [Insulin Resistance](#)
- [Irritable Bowel Syndrome](#)
- [Liver Cirrhosis](#)
- [Low Back Pain](#)
- [Low Tension Glaucoma](#)
- [Memory](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Motion Sickness](#)
- [Myocardial Ischemia](#)
- [Myocardial Stunning](#)
- [NARP](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Overweight](#)
- [Pain](#)
- [Parkinson disease](#)
- [Personality Disorders](#)
- [Personality Tests](#)
- [Problem Solving](#)
- [Psychiatric Status Rating Scales](#)
- [Psychological Tests](#)

- [Psychomotor Performance](#)
- [Reaction Time](#)
- [Satiation](#)
- [Schizophrenia](#)
- [Sciatica](#)
- [Sensation](#)
- [Sleep Apnea](#)
- [Stress](#)
- [Subarachnoid Hemorrhage](#)
- [Thinness](#)
- [Tourette Syndrome](#)
- [Ventricular Dysfunction](#)
- [Weight Gain](#)
- [Weight Loss](#)