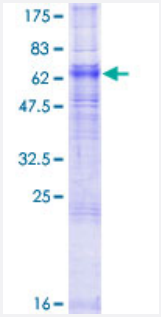
Full-Length

ADORA2A (Human) Recombinant Protein (P02)

Catalog # H00000135-P02 Size 2 ug

Applications



Specification

Product Description	Human ADORA2A full-length ORF (NP_000666.2, 1 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPIMGSSVYITVELAIAVLAILGNVLVCWAVWLNSNLQNVTNYFVVSLAAADIAVGVLAIPFAITISTG FCAACHGCLFIACFVLVLTQSSIFSLLAIAIDRYIAIRIPLRYNGLVTGTRAKGIIAICWVLSFAIGLTPML GWNNCGQPKEGKNHSQGCGEGQVACLFEDVVPMNYMVYFNFFACVLVPLLLMLGVYLRIFLAA RRQLKQMESQPLPGERARSTLQKEVHAAKSLAIIVGLFALCWLPLHIINCFTFFCPDCSHAPLWLM YLAIVLSHTNSVVNPFIYAYRIREFRQTFRKIIRSHVLRQQEPFKAAGTSARVLAAHGSDGEQVSLRL NGHPPGVWANGSAPHPERRPNGYALGLVSGGSAQESQGNTGLPDVELLSHELKGVCPEPPGL DDPLAQDGAGVS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	71.1
Interspecies Antigen Sequence	Mouse (83); Rat (83)
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 — ADORA2A

Entrez GeneID	135
GeneBank Accession#	NM_000675.3
Protein Accession#	NP_000666.2
Gene Name	ADORA2A
Gene Alias	ADORA2, RDC8, hA2aR
Gene Description	adenosine A2a receptor
Omim ID	102776
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein which is one of several receptor subtypes for adenosine. The activity of the encoded protein, a G-protein coupled receptor family member, is mediated by G proteins w hich activate adenylyl cyclase. The encoded protein is abundant in basal ganglia, vasculature and platelets and it is a major target of caffeine. [provided by RefSeq
Other Designations	adenosine A2 receptor|adenosine receptor subtype A2a

Pathway

- Calcium signaling pathway
- Neuroactive ligand-receptor interaction
- Vascular smooth muscle contraction

Disease

- Amphetamine-Related Disorders
- Anorexia Nervosa
- Anxiety Disorders
- Arousal
- Arthritis
- Asthma
- Atherosclerosis
- Autistic Disorder
- Bulimia
- Calcinosis
- Cardiovascular Diseases
- Cognition
- Coronary Artery Disease
- Depressive Disorder
- Diabetes Mellitus
- Drug Hypersensitivity
- Drug Toxicity
- Edema
- Fatigue

- Genetic Predisposition to Disease
- Headache
- Huntington disease
- Hypertension
- Mental Disorders
- Migraine with Aura
- Mood Disorders
- Neuropsychological Tests
- Panic Disorder
- Parkinson disease
- Personality Inventory
- Psychiatric Status Rating Scales
- Psychomotor Performance
- Psychoses
- Reaction Time
- Schizophrenia
- Schizophrenic Psychology
- Sleep
- Sleep Disorders
- Sleep Initiation and Maintenance Disorders
- Substance Withdrawal Syndrome
- Substance-Related Disorders
- Syncope
- Weight Gain