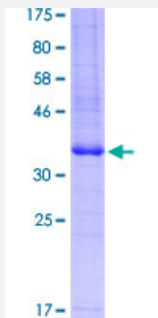


ADORA2A (Human) Recombinant Protein (Q01)

Catalog # H00000135-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADORA2A partial ORF (NP_000666.2, 147 a.a. - 267 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GQPKEGKNHSQGC GEGQVACLFEDV VPMNYMVYFNFFACVLVPLLLMLGVYLRIFLAARRQLKQ MESQPLPGERARSTLQKEVHAAKSLAIVGLFALCWLP LHIINCFTFFCPDCSHAPL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.94
Interspecies Antigen Sequence	Mouse (84); Rat (85)
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 which 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](#)