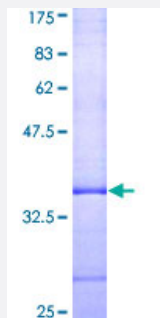


ADORA3 (Human) Recombinant Protein (Q01)

Catalog # H00000140-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADORA3 partial ORF (AAH29831, 121 a.a. - 225 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VTTHRRWLALGLCWLVSLVGLTPMFGWNMKLTSYHRNVTLSCQFVSVMRMDYMYFSFLT WIFIPLVVMCAYLDIFYIRNKLSLNLSNSKETGAFYGRE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.18
Interspecies Antigen Sequence	Mouse (73)
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 — ADORA3

Entrez GeneID [140](#)

GeneBank Accession# [BC029831](#)

Protein Accession# [AAH29831](#)

Gene Name ADORA3

Gene Alias A3AR, AD026, bA552M11.5

Gene Description adenosine A3 receptor

Omim ID [600445](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein that belongs to the family of adenosine receptors, which are G-protein-coupled receptors that are involved in a variety of intracellular signaling pathways and physiological functions. The receptor encoded by this gene mediates a sustained cardioprotective function during cardiac ischemia, it is involved in the inhibition of neutrophil degranulation in neutrophil-mediated tissue injury, it has been implicated in both neuroprotective and neurodegenerative effects, and it may also mediate both cell proliferation and cell death. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000013476|OTTHUMP00000013739|OTTHUMP000000082917

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Asthma](#)
- [Cardiomyopathies](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Mental Disorders](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Tobacco Use Disorder](#)
- [Urticaria](#)