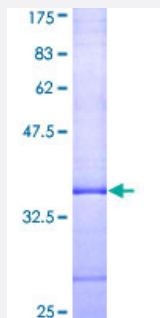


# ADORA3 (Human) Recombinant Protein (Q01)

Catalog # H00000140-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                           |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human ADORA3 partial ORF ( AAH29831, 121 a.a. - 225 a.a.) recombinant protein with GST-tag at N-terminal. |
| <b>Sequence</b>                      | VTTHRRWLALGLCWLVSLVGLTPMFGWNMKLTSEYHRNVTLSCQFVSVMRMDYMYFSFLT<br>WIFIPLVVMCAYLDFYIIRNKLSLNLSNSKETGAFYGRE   |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                     |
| <b>Theoretical MW (kDa)</b>          | 37.18                                                                                                     |
| <b>Interspecies Antigen Sequence</b> | Mouse (73)                                                                                                |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                     |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                         |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                               |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                  |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                           |
| <b>Note</b>                          | 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|OTTHUMP00000082917

## 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](#)