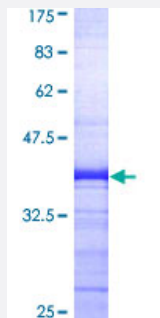


ARRB2 (Human) Recombinant Protein (Q01)

Catalog # H00000409-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ARRB2 partial ORF (AAH07427, 300 a.a. - 409 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NLASSTIVKEGANKEVLGILVSYRVKVKLVVSRGGDVSVELPFVLMHPKPHDHIPLRPQSAAPET DVPVDTNLIETDNYATDDDIVFEDFARLRLKGMKDDDYDDQLC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
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 — ARRB2

Entrez GeneID [409](#)

GeneBank Accession# [BC007427](#)

Protein Accession# [AAH07427](#)

Gene Name ARRB2

Gene Alias ARB2, ARR2, BARR2, DKFZp686L0365

Gene Description arrestin, beta 2

Omim ID [107941](#)

Gene Ontology [Hyperlink](#)

Gene Summary Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. Arrestin beta 2, like arrestin beta 1, was shown to inhibit beta-adrenergic receptor function in vitro. It is expressed at high levels in the central nervous system and may play a role in the regulation of synaptic receptors. Besides the brain, a cDNA for arrestin beta 2 was isolated from thyroid gland, and thus it may also be involved in hormone-specific desensitization of TSH receptors. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been defined. [provided by RefSeq]

Other Designations arrestin 3

Pathway

- [Chemokine signaling pathway](#)
- [Endocytosis](#)

- [MAPK signaling pathway](#)
- [Olfactory transduction](#)

Disease

- [Amphetamine-Related Disorders](#)
- [Asthma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Confusion](#)
- [Disease Models](#)
- [Dyskinesia](#)
- [Genetic Predisposition to Disease](#)
- [Nausea](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Pain](#)
- [Polycystic Ovary Syndrome](#)
- [Psychoses](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)