

## Recombinant Human ARRB2, GST-tagged

Cat. No. ARRB2-9893H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human ARRB2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 162-408a.a.

**Description** 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 encoding different isoforms have been found for this gene.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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## GENE INFORMATION

<b>Gene Name</b>	ARRB2 arrestin, beta 2 [ Homo sapiens ]
<b>Official Symbol</b>	ARRB2
<b>Synonyms</b>	ARRB2; arrestin, beta 2; ARR2; beta-arrestin-2; arrestin 3; BARR2; DKFZp686L0365; arrestin beta-2; ARB2;
<b>Gene ID</b>	409
<b>mRNA Refseq</b>	NM_001257328
<b>Protein Refseq</b>	NP_001244257
<b>MIM</b>	107941
<b>UniProt ID</b>	P32121
<b>Chromosome Location</b>	17p13
<b>Pathway</b>	ALK1 signaling events, organism-specific biosystem; Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Arf6 signaling events, organism-specific biosystem; Atypical NF-kappaB pathway, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem;
<b>Function</b>	G-protein coupled receptor binding; angiotensin receptor binding; protein binding; receptor binding; ubiquitin protein ligase binding;

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