

## Recombinant Human ARRB1, GST-tagged

Cat. No. ARRB1-9892H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human ARRB1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 69-418a.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 1 is a cytosolic protein and acts as a cofactor in the beta-adrenergic receptor kinase (BARK) mediated desensitization of beta-adrenergic receptors. Besides the central nervous system, it is expressed at high levels in peripheral blood leukocytes, and thus the BARK/beta-arrestin system is believed to play a major role in regulating receptor-mediated immune functions. Alternatively spliced transcripts encoding different isoforms of arrestin beta 1 have been described.

**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

**Gene Name** [ARRB1 arrestin, beta 1 \[ Homo sapiens \]](#)

**Official Symbol** [ARRB1](#)

**Synonyms** [ARRB1](#); [arrestin, beta 1](#); [ARR1](#); [beta-arrestin-1](#); [arrestin 2](#); [ARB1](#);

**Gene ID** [408](#)

**mRNA Refseq** [NM\\_004041](#)

**Protein Refseq** [NP\\_004032](#)

**MIM** [107940](#)

**UniProt ID** [P49407](#)

**Chromosome Location** [11q13](#)

**Pathway** [Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem](#); [CXCR3-mediated signaling events, organism-specific biosystem](#); [Calcium Regulation in the Cardiac Cell, organism-specific biosystem](#); [Chemokine signaling pathway, organism-specific biosystem](#); [Chemokine signaling pathway, conserved biosystem](#); [Clathrin derived vesicle budding, organism-specific biosystem](#); [Endocytosis, organism-specific biosystem](#);

**Function** [GTPase activator activity](#); [angiotensin receptor binding](#); [enzyme inhibitor activity](#); [NOT histone acetyltransferase activity](#); [insulin-like growth factor receptor binding](#); [protein binding](#); [transcription factor binding](#); [transcription regulatory region DNA bin](#)

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