

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 ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 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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