

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 ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	ARRB2 arrestin, beta 2 [Homo sapiens]
Official Symbol	ARRB2
Synonyms	ARRB2; arrestin, beta 2; ARR2; beta-arrestin-2; arrestin 3; BARR2; DKFZp686L0365; arrestin beta-2; ARB2;
Gene ID	409
mRNA Refseq	NM_001257328
Protein Refseq	NP_001244257
MIM	107941
UniProt ID	P32121
Chromosome Location	17p13
Pathway	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;
Function	G-protein coupled receptor binding; angiotensin receptor binding; protein binding; receptor binding; ubiquitin protein ligase binding;

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