

Recombinant Human ARRB2

Cat. No. ARRB2-26621TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 300-409 of Human Beta Arrestin 2 with an N terminal proprietary tag; Predicted MWt 37.73 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	<p>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.</p>
Molecular Weight	37.730kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	NLASSTIVKEGANKEVLGILVSYRVKVKLVVSRGGDVSVE LPFVLMHPKPHDHIPLP RPQSAAPETDVPVDTNLIEFDTN YATDDDIVFEDFARLRLKGMKDDDDYDDQLC
Sequence Similarities	Belongs to the arrestin family.

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;
Gene ID	409
mRNA Refseq	NM_004313
Protein Refseq	NP_004304
MIM	107941
Uniprot ID	P32121
Chromosome Location	17p13

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Pathway

ALK1 signaling events, 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;

Function

G-protein coupled receptor binding; angiotensin receptor binding; protein binding; protein kinase B binding; receptor binding;

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