

Recombinant Human ARRB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARRB1-3765H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARRB1 MS Standard C13 and N15-labeled recombinant protein (NP_064647) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	46.1 kDa
AA Sequence	MGDKGTRVFKKASPNGKLTVYLGKRDFVDHIDLVPDVGVLVDPEYLKERRYVYVTLTCAFRYGRELDVLGLTFRKDLFVANVQSFPPAPEDKKPLTRLQERLIKKLGEHAYPFTFEIPPNLPCSVTLQPGPEDTGKACGV DYE VKAFCAENLEEKIHKRNSVRLVIRKVQYAPERPGPQPTAETTRQFLMSDKPLHLEASLDKEIYYHGEPISVNVHVTNNTNKT

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KKIKISVRQYADICLFNTAQYKCPVAMEEADDTVAPSSTFCKVYTLTPFLANNREKRG
 LALDGKCLKHEDTNLASSTLLREGANREILGIIVSYKVVKLVVSRGGDVAVELPFTLM
 HPKPKEEPPHREVPENETPVDTNLIELDTNDDDIVFEDFARQRLKGMKDDKEEEEED
 GTGSPQLNNRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol [ARRB1](#)

Synonyms ARRB1; arrestin, beta 1; ARR1; beta-arrestin-1; arrestin 2; ARB1;

Gene ID [408](#)

mRNA Refseq [NM_020251](#)

Protein Refseq [NP_064647](#)

MIM [107940](#)

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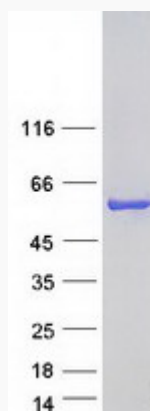
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UniProt ID

P49407

SDS-PAGE

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