

Recombinant Mouse Arrb1 protein, His-tagged

Cat. No. ARRB1-1857M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Arrb1 protein (Pro182-Glu359), fused to His-tag at N-terminus,, was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	178
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Arrb1
Official Symbol	Arrb1
Synonyms	ARB1; ARR1; ARR-B1; Arrestin 2
Gene ID	109689
mRNA Refseq	NM_177231.2
Protein Refseq	NP_796205.1
UniProt ID	Q8BWG8

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