

Recombinant Full Length Human ARRB1 Protein

Cat. No. ARRB1-29HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human beta Arrestin 1 with N terminal proprietary tag; Predicted MWt 72.05 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	418 amino acids
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	Liquid
Molecular Mass	72.050kDa inclusive of tags
AA Sequence	MGDKGTRVFK KASPNGKLTV YLGKRDFVDH IDLVDPVDGV VLVDPEYLKE RRVYVTLTCA FRYGREDLDV LGLTFRKDLF VANVQSFPPA PEDKKPLTRL

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QERLIKKLGE HAYPFTFEIP PNLPCSVTLQ PGPEDTGKAC GVDYEVKAFC
 AENLEEKIHK RNSVRLVIRK VQYAPERPGP QPTAETTRQF LMSDKPLHLE
 ASLDKEIYYH GEPISVNVHV TNNTNKT VKK IKISVRQYAD ICLFNTAQYK
 CPVAMEEADD TVAPSSTFCK VYTLPFLAN NREKRGLALD GCLKHEDTNL
 ASSTLLREGA NREILGIIVS YKVKVKLVVS RGGLLGD LAS SDVAVELPFT
 LMHPKPKEEP PHREVPENET PVDTNLIELD TNDDDIVFED FARQRLKGMK
 DDKEEEEDGT GSPQLNNR

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.3% Glutathione, 0.79% Tris HCl.

GENE INFORMATION

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

Official Symbol [ARRB1](#)

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

Gene ID [408](#)

mRNA Refseq [NM_004041](#)

Protein Refseq [NP_004032](#)

MIM [107940](#)

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UniProt ID

P49407

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