

# Recombinant Full Length Human ARRB1 Protein

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

## SPECIFICATION

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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

QERLIKKLGE HAYPFTFEIP PNLPCSVTLQ PGPEDTGTKAC GVDYEVKAFC  
 AENLEEKIHK RNSVRLVIRK VQYAPERPGP QPTAETTRQF LMSDKPLHLE  
 ASLDKEIYYH GEPISVNVHV TNNTNKT VKK IKISVRQYAD ICLFNTAQYK  
 CPVAMEEADD TVAPSSTFCK VYTLTPFLAN NREKRGLALD GCLKHEDTNL  
 ASSTLLREGA NREILGIIVS YKVKVCLVVS RGGLLDGLAS 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](#)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



UniProt ID

P49407

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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