

Product datasheet for **TP321737**

beta Arrestin 1 (ARRB1) (NM_020251) Human Recombinant Protein

Product data:

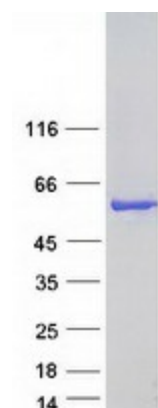
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens arrestin, beta 1 (ARRB1), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221737 representing NM_020251 Red =Cloning site Green =Tags(s)
	<p>MGDKGTRVFKKASPNGLTVYLGKRDFVDHIDLVDVPDGVWLVDPEYLKERRVYVTLTCAFRYGREDLDV LGLTFRKDLFVANVQSFPAPEDKKPLTRLQERLIKKLGEHAYPFTFEIPPNLPCSVTLQPGPEDTGKAC GVDYEVKAFAENLEEKIHKRNSVRLVIRKVQYAPERPGPQPTAETTRQFLMSDKPLHLEASLDKEIYYH GEPISVNVHVTNNTNKTVKIKISVRQYADICLFNTAQYKCPVAMEEADDTVAPSSTFCKVYTLTPFLAN NREKRGALDGLKHEDTNLASSTLLREGANREILGIIVSYKVVKLVSRGGDVAVELPFTLMHPKPKE EPPHREVPENETPVDTNLIELDTNDDIVFEDFARQLKGMKDDKEEEDGTGSPQLNNR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	46.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_064647</u>



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Locus ID:	408
UniProt ID:	<u>P49407</u>
RefSeq Size:	2180
Cytogenetics:	11q13.4
RefSeq ORF:	1230
Synonyms:	ARB1; ARR1
Summary:	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. [provided by RefSeq, Jan 2011]
Protein Families:	Druggable Genome
Protein Pathways:	Chemokine signaling pathway, Endocytosis, MAPK signaling pathway

Product images:



Coomassie blue staining of purified ARRB1 protein (Cat# TP321737). The protein was produced from HEK293T cells transfected with ARRB1 cDNA clone (Cat# [RC221737]) using MegaTran 2.0 (Cat# [TT210002]).