

Product datasheet for PH321737

beta Arrestin 1 (ARRB1) (NM_020251) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARRB1 MS Standard C13 and N15-labeled recombinant protein (NP_064647)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221737
Predicted MW:	46.1 kDa
Protein Sequence:	>RC221737 representing NM_020251 Red=Cloning site Green=Tags(s)

MGDKGTRVFKKASPNGKLTVYLGKRDFVDHIDLVPVDGVVLDPEYKERRVYVTLTCAFYRGREDLDV
LGLTFRKDLFVANVQSFPPAPEDKKPLTRLQERLIKKGHAYPFTFEIPPNLPCSVTLQPGPEDTGKAC
GVDYEVKAFCAENLEEKIHKRNSVRLVIRKVQYAPERPGPQPTAETTRQFLMSDKPLHLEASLDKEIYYH
GEPISVNVHVTNNTNKTVKKIKISVRQYADICLFNTAQYKCPVAMEEADDTVAPSSTFCKVYVTLTPFLAN
NREKRGLALDGLKHEDTNLASSTLLREGANREILGIIVSYKVKVKLVSRGGDVAVELPFTLMHPKPKKE
EPPHREVPENETPVDTNLIELDTNDDDIVFEDFARQLKGMKDDKEEEDGTGSPQLNRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_064647</u>
RefSeq Size:	2180
RefSeq ORF:	1230
Synonyms:	ARB1; ARR1
Locus ID:	408



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UniProt ID: [P49407](#), [B7Z1Q3](#)

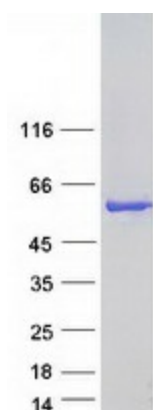
Cytogenetics: 11q13.4

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]).