

Recombinant Human ARRB1 Protein, N-His-tagged

Cat. No. ARRB1-11H Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human arrestin, beta 1 (ARRB1), transcript variant 1, full length, with N-terminal His tag, expressed in E. coli.
Species	Human
Source	E.coli
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	50mM Tris, 8M Urea, pH8.0.
Molecular Mass	46.9 kDa
AA Sequence	A DNA sequence encoding the full length of ARRB1.
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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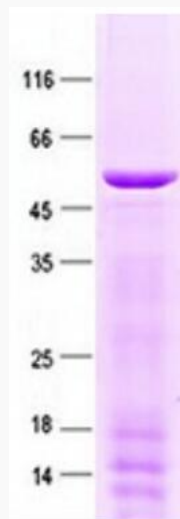
Applications	Cell culture: For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Full Length	Full L.
GENE INFORMATION	
Gene Name	ARRB1 arrestin beta 1 [Homo sapiens (human)]
Official Symbol	ARRB1
Synonyms	ARB1; ARR1
Gene ID	408
mRNA Refseq	NM_004041.5
Protein Refseq	NP_004032.2
MIM	107940
UniProt ID	P49407

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SDS-PAGE



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