

## Recombinant Human ARRB1 Protein, His-tagged

Cat. No. ARRB1-026H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant protein of human arrestin, beta 1 (ARRB1), transcript variant 1. was expressed in E. coli.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>Description</b>      | <p>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]</p> <p>GeneCards Summary for ARRB1 Gene</p> |
| <b>Molecular Mass</b>   | 48.1 kDa  |
| <b>Endotoxin</b>        | < 0.1 EU per g protein as determined by LAL test.   |
| <b>Purity</b>           | > 95% as determined by SDS-PAGE and Coomassie blue staining   |

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|                       |   |
|-----------------------|---|
| <b>Stability</b>      | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| <b>Concentration</b>  | Resuspend the protein to the desired concentration in proper buffer.                            |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 M filtered solution of 20mM Phosphate buffer, 150mM NaCl, pH 7.2.        |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | ARRB1 arrestin, beta 1 [ Homo sapiens ]                           |
| <b>Official Symbol</b> | ARRB1   |
| <b>Synonyms</b>        | ARRB1; arrestin, beta 1; ARR1; beta-arrestin-1; arrestin 2; ARB1; |
| <b>Gene ID</b>         | 408   |
| <b>mRNA Refseq</b>     | NM_004041   |
| <b>Protein Refseq</b>  | NP_004032   |
| <b>MIM</b>             | 107940  |
| <b>UniProt ID</b>      | P49407  |

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