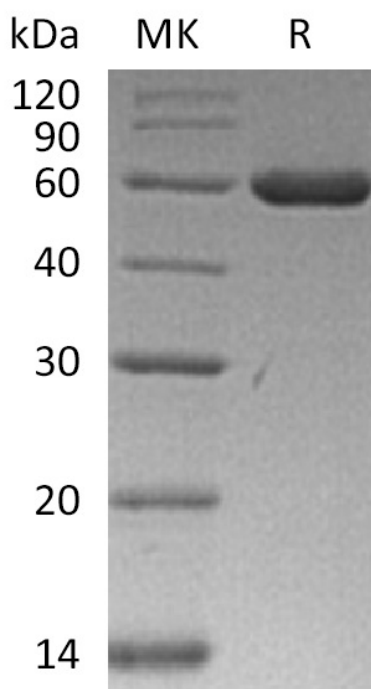


## Summary

|                                 |   |
|---------------------------------|---|
| <b>Name</b>                     | ARRB1/ $\beta$ -Arrestin 1  |
| <b>Purity</b>                   | Greater than 95% as determined by reducing SDS-PAGE   |
| <b>Endotoxin level</b>          | <1 EU/ $\mu$ g as determined by LAL test.   |
| <b>Construction</b>             | Recombinant Human Beta-Arrestin 1 is produced by our E.coli expression system and the target gene encoding Met1-Arg418 is expressed with a 6His tag at the C-terminus.  |
| <b>Accession #</b>              | P49407  |
| <b>Host</b>                     | E.coli  |
| <b>Species</b>                  | Human   |
| <b>Predicted Molecular Mass</b> | 48.13 KDa   |
| <b>Formulation</b>              | Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4.  |
| <b>Shipping</b>                 | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.  |
| <b>Stability&amp;Storage</b>    | Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$ , stable for one year after receipt. Reconstituted protein solution can be stored at 2-8 $^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.   |
| <b>Reconstitution</b>           | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g/ml}$ . Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g/ml}$ . Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## SDS-PAGE image

**Product Name: Recombinant Human ARRB1 (C-6His)**  
**Catalog #: PEH0101**



### Alternative Names

Beta-Arrestin-1; Arrestin Beta-1; ARRB1; ARR1

### Background

$\beta$ -Arrestin-1 (ARRB1) is a cytoplasmic protein that belongs to the arrestin family. ARRB1 is expressed at high levels in peripheral blood leukocytes and the central nervous system. ARRB1 regulates agonist-mediated G-protein coupled receptor (GPCR) signaling by mediating both receptor desensitization and resensitization processes. ARRB1 acts as a cofactor in the beta-adrenergic receptor kinase (BARK) mediated desensitization of beta-adrenergic receptors. ARRB1 is believed to play a major role in regulating receptor-mediated immune functions. ARRB1 is involved in Toll-like receptor and IL-1 receptor signaling through the interaction with TRAF6.

### Note

For Research Use Only , Not for Diagnostic Use.