

## 32-7087: Recombinant Human beta-Arrestin 1/ARRB1 (C-6His)

**Gene :** ARRB1  
**Gene ID :** 408  
**Uniprot ID :** P49407

### Description

Source: E.coli.  
MW :48.13kD.

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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGDKGTRVFKKASPNGLTVYLGKRDFVDHIDLVDVDPVGVVLDPEYKERRVYVTLTCAFRYGREDLDVLGLTFRKDLFVANVQSFPAPEDKKPLRLQERLIKKLGEHAYPFTFEIPPNLPCSVTLQPGPEDTGKACGV DYE VKAFCAENLEEKIHKRNSVRLVIRKVQYAPERPGPQPTAETTRQFLMSDKPLHLEASLDKEIYYHGEPISVNVHVTNNTNKT VKKIKISVRQYADICLFNTAQYKCPVAMEEADDTVAPSSTFCKVYTLTPFLANNREKRGLALDGLKHEDTNLASSTLLREGANREILGIIVSYKVKVCLVSRGGLLDLASSDVAVELPFTLMHPKPKKEPPHREVPENETPVDTNLIELDTNDDDIVFEDFARQLKGMKDDKEEEEDGTGSPQLNNRLEHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.