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Datasheet for ABIN7319213 **beta Arrestin 1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	beta Arrestin 1 (ARRB1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This beta Arrestin 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human β -Arrestin 1/ARRB1 Protein (His Tag)
Sequence:	Met 1-Arg418
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	beta Arrestin 1 (ARRB1)
Alternative Name:	beta-Arrestin 1/ARRB1 (ARRB1 Products)
Background:	Background: β -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

Target Details

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.

Synonym: Beta-Arrestin-1, Arrestin Beta-1, ARRB1, ARR1

Molecular Weight: 48.1 kDa

UniProt: [P49407](#)

Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [Nuclear Hormone Receptor Binding](#), [cAMP Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Synaptic Membrane](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Phototransduction](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.