

Recombinant Human β -Arrestin 1/ARRB1 Protein (His Tag)

Catalog No. PKSH033262

Note: Centrifuge before opening to ensure complete recovery of vial contents.

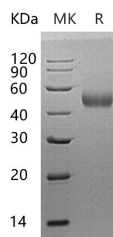
Description

Synonyms	Beta-Arrestin-1;Arrestin Beta-1;ARRB1;ARR1
Species	Human
Expression Host	E.coli
Sequence	Met 1-Arg418
Accession	P49407
Calculated Molecular Weight	48.1 kDa
Observed molecular weight	60 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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

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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.