

# Product Data Sheet

## Recombinant Human ARRB1 Protein

Catalog #	Source	Reactivity	Applications
CRP1079	E. coli	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human ARRB1 Protein 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>Form</b>	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.		
<b>Gene Symbol</b>	ARRB1		
<b>Alternative Names</b>	ARR1; Beta-arrestin-1; Arrestin beta-1		
<b>Entrez Gene</b>	408 (Human)		
<b>SwissProt</b>	P49407 (Human)		
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
<b>Chemical Structure</b>	MGDKGTRVFK KASPNGLTV YLGKRDFVDH IDLVPVDGV VLVDPEYLKE RRVYVTLTCA FRYGREDLDV LGLTFRKDLF VANVQSFPFA PEDKKPLTRL QERLIKKLGE HAYPFTFEIP PNLPCSVTLQ PGPEDTGKAC GVDYEVKAFC AENLEEKIHK RNSVRLVIRK VQYAPERPGP QPTAETTRQF LMSDKPLHLE ASLDKEIYYH GEPISVNVHV TNNTNKT VKK IKISVRQYAD ICLFNTAQYK CPVAMEEADD TVAPSSTFCK VYTLTPFLAN NREKRGLALD GKLKHEDTNL ASSTLLREGA NREILGIIVS YKVKVKLVVS RGGLGLDAS SDVAVELPFT LMHPKPKEEP PHREVPENET PVDTNLIELD TNDDDIVFED FARQRLKGMK DDKEEEEDGT GSPQLNNRLE HHHHHH		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</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 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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freeze-thaw cycles.

### Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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