

ARRB1/Beta-Arrestin 1 Protein, Human (His)

Cat. No.:	HY-P7606
Synonyms:	rHuARRB1/beta-Arrestin 1, His; ARRB1, β -Arrestin 1
Species:	Human
Source:	E. coli
Accession:	P49407 (M1-R418)
Gene ID:	408
Molecular Weight:	Approximately 60.0 kDa

PROPERTIES

AA Sequence

M G D K G T R V F K	K A S P N G K L T V	Y L G K R D F V D H	I D L V D P V D G V
V L V D P E Y L K E	R R V Y V T L T C A	F R Y G R E D L D V	L G L T F R K D L F
V A N V Q S F P P A	P E D K K P L T R L	Q E R L I K K L G E	H A Y P F T F E I P
P N L P C S V T L Q	P G P E D T G K A C	G V D Y E V K A F C	A E N L E E K I H K
R N S V R L V I R K	V Q Y A P E R P G P	Q P T A E T T R Q F	L M S D K P L H L E
A S L D K E I Y Y H	G E P I S V N V H V	T N N T N K T V K K	I K I S V R Q Y A D
I C L F N T A Q Y K	C P V A M E E A D D	T V A P S S T F C K	V Y T L T P F L A N
N R E K R G L A L D	G K L K H E D T N L	A S S T L L R E G A	N R E I L G I I V S
Y K V K V K L V V S	R G G L L G D L A S	S D V A V E L P F T	L M H P K P K E E P
P H R E V P E N E T	P V D T N L I E L D	T N D D D I V F E D	F A R Q R L K G M K
D D K E E E E D G T	G S P Q L N N R H H	H H H H	

Appearance Lyophilized powder

Formulation Lyophilized a 0.2 μ m filtered solution of PBS, pH7.4.

Endotoxin Level <1 EU/ μ g, determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background β -arrestins binds to phosphorylated receptors, uncouple G proteins and link receptors to clathrin-dependent internalization

pathways. β -arrestins may be crucial not only for limiting E2 signaling via membrane estrogen receptor- α (mER α) internalization, but may be involved in the initial estradiol (E2) membrane-initiated signaling (EMS) through an ERK1/2 pathway^[1].

REFERENCES

[1]. Angela M Wong, et al. β -arrestin regulates estradiol membrane-initiated signaling in hypothalamic neurons. PLoS One. 2015 Mar 24;10(3):e0120530.

Caution: Product has not been fully validated for medical applications. For research use only.

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