

Recombinant Full Length Human ARRB2 Protein, GST-tagged

Cat. No. ARRB2-1247HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARRB2 full-length ORF (AAH67368.1, 1 a.a. - 409 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	409 amino acids
Description	Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. Arrestin beta 2, like arrestin beta 1, was shown to inhibit beta-adrenergic receptor function in vitro. It is expressed at high levels in the central nervous system and may play a role in the regulation of synaptic receptors. Besides the brain, a cDNA for arrestin beta 2 was isolated from thyroid gland, and thus it may also be involved in hormone-specific desensitization of TSH receptors. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2012]
Molecular Mass	72.5 kDa
AA Sequence	MGEKPGTRVF KKSSPNCKLT VYLGKRDFVD HLDKVPVDG VVLVDPDYLK DRKVFVTLTC AFRYGREDLD VLGLSFRKDL FIATYQAFPP VPNPPRPPTR LQDRLLRKLQ QHAHPFFFTI PQNLPCSVTL QGPEDTGKA CGVDFEIRAF

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CAKSLEEKSH KRNSVRLVIR KVQFAPEKPG PQPSAETTRH FLMSDRSLHL
 EASLDKELY Y HGEPLNVNVH VTNNSTKTVK KIKVSVRQYA DICLFSTAQY
 KCPVAQLEQD DQVSPSSTFC KVYTITPLLS DNREKRGLAL DGKCLKHEDTN
 LASSTIVKEG ANKEVLGILV SYRVKVKLVV SRGGDVSVEL PFVLMHPKPH
 DHIPLRPQS AAPETDVPVD TNLIEFDNY ATDDDIVFED FARLRLKGMK
 DDDYDDQLC

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ARRB2 arrestin, beta 2 \[Homo sapiens \]](#)

Official Symbol

[ARRB2](#)

Synonyms

ARRB2; arrestin, beta 2; ARR2; beta-arrestin-2; arrestin 3; BARR2; DKFZp686L0365;
 arrestin beta-2; ARB2

Gene ID

[409](#)

mRNA Refseq

[NM_001257328](#)

Protein Refseq

[NP_001244257](#)

MIM

[107941](#)

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UniProt ID

P32121

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