Armadillo Repeat-Containing Protein 5 (ARMC5) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Armadillo repeat-containing protein 5 (ARMC5), Recombinant Protein
Full Product Name	Recombinant Human Armadillo repeat-containing protein 5 (ARMC5) , partial
Product Gene Name	ARMC5 recombinant protein
Product Synonym Gene Name	ARMC5
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	75,649 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	615549
3D Structure	ModBase 3D Structure for Q96C12
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ARMC5 recombinant protein	MBS1348639 is a recombinant protein targeting ARMC5. Also known as Recombinant Human Armadillo repeat-containing protein 5 (ARMC5) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ARMC5 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARMC5. It may not necessarily be applicable to this product.

NCBI GI #	157426856
NCBI GeneID	79798
NCBI Accession #	NP_001098717.1
UniProt Primary Accession #	Q96C12
UniProt Secondary Accession #	Q86WM9; Q9H7P8; Q9H925
UniProt Related Accession #	Q96C12
GenBank Nucleotide #	NM_001105247.1
NCBI Official Full Name	armadillo repeat-containing protein 5 isoform a

NCBI Official Synonym Full Names	armadillo repeat containing 5
NCBI Official Symbol	ARMC5
NCBI Official Synonym Symbols	AIMAH2
UniProt Protein Name	Armadillo repeat-containing protein 5
Protein Family	Armadillo repeat-containing protein
UniProt Gene Name	ARMC5
NCBI Protein Information	armadillo repeat-containing protein 5
NCBI Summary for ARMC5	This gene encodes a member of the ARM (armadillo/beta-catenin-like repeat) superfamily. The ARM repeat is a tandemly repeated sequence motif with approximately 40 amino acid long. This repeat is implicated in mediating protein-protein interactions. The encoded protein contains seven ARM repeats. Mutations in this gene are associated with primary bilateral macronodular adrenal hyperplasia, which is also known as ACTH-independent macronodular adrenal hyperplasia 2. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014]
UniProt Comments for ARMC5	Involved in fetal development, T-cell function and adrenal gland growth homeostasis (). Negatively regulates adrenal cells survival. Plays a role in steroidogenesis, modulates steroidogenic enzymes expression and cortisol production (PubMed:24283224, PubMed:28676429).
Research Articles on ARMC5	**1.** ARMC5 mutations are not present in a fairly large series of Caucasian patients with primary aldosteronism associated with bilateral adrenal disease.
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