

Coronin-6/CORO6 Recombinant Protein | CORO6 recombinant protein

Recombinant Human Coronin-6/CORO6 Protein (His Tag)

CATALOG #
AAA174012

HOST
E.coli

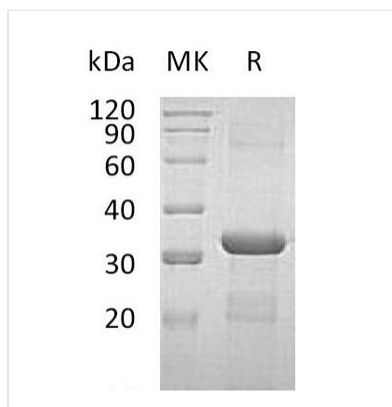
PRODUCT SYNONYMS

Coronin-6/CORO6; Recombinant Human Coronin-6/CORO6 Protein (His Tag); Coronin-6; Clipin-E; CORO6; CORO6 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95 % as determined by reducing SDS-PAGE.
Form/Format	Supplied as a 0.2 um filtered solution of 20mM PB, 150mM NaCl, 1mM DTT,pH 7.4
Concentration	0.67mg/mL (varies by lot)
Sequence Positions	Met 1-Asp237
Species	Human
Tag	N-6His
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Preparation and Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs.Upon receipt, store it immediately at<-20°C.

IMAGES



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for CORO6 recombinant protein	Coronin 6, a newly identified member of the coronin family, is highly enriched at adult NMJs and regulates AChR clustering via modulating the interaction between receptors and the actin cytoskeletal network. Coronins are a family of conserved actin-binding proteins originally identified in the actin-rich structure of the amoeba Dictyostelium discoideum . To date, seven members of coronins have been identified in mammals, and most exhibit tissue-specific distribution patterns. Coronin 6 is prominently expressed in adult muscle and enriched at the NMJ. Studies with cultured myotubes reveal that Coronin 6 regulates both agrin- and laminin-induced AChR clustering and is important for anchoring AChRs onto the actin cytoskeleton. Also, both the C-terminal region and a conserved Arg29 residue at the N terminus of Coronin 6 are essential for its actin-binding activity and stabilization of AChR–cytoskeleton linkage. Importantly, in vivo knockdown of Coronin 6 in mouse skeletal muscle fibers leads to destabilization of AChR clusters, which demonstrates that Coronin 6 is a critical regulator of AChR clustering at the postsynaptic region of the NMJs through modulating the receptor-anchored actin cytoskeleton. The human Coronin 6 has five isoforms produced by alternative splicing, and tissue specific expression of these isoforms are unclear.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	109627650
NCBI GeneID	84940
NCBI Accession #	NP_116243.2
NCBI GenBank Nucleotide #	NM_032854.3
UniProt Accession #	Q6QEF8; Q71MF3; Q8WYH7; Q96K02; B3KU26
NCBI Official Full Name	coronin-6 isoform 1
NCBI Official Synonym Full Names	coronin 6
NCBI Official Symbol	CORO6
NCBI Protein Information	coronin-6
UniProt Protein Name	Coronin-6
UniProt Gene Name	CORO6
UniProt Synonym Gene Names	Clipin-E

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/coro6-recombinant-protein-e-coli/174012>