

Human Actin-Like Protein 6A (ACTL6A) ELISA Kit | ACTL6A elisa kit

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CATALOG #
AAA331087

REACTIVITY
Human

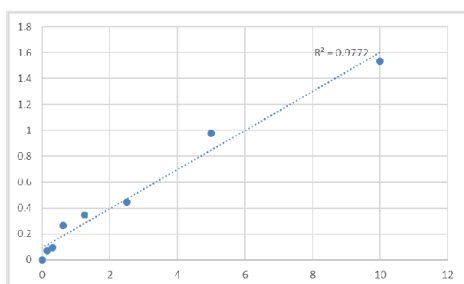
PRODUCT SYNONYMS

Actin-Like Protein 6A (ACTL6A); Human Actin-Like Protein 6A (ACTL6A) ELISA Kit; ACTL6A; ACTL6; ARPN-BETA; Arp4; BAF53A; INO80K; MGC5382; BAF complex 53 kDa subunit; BAF53; BRG1-associated factor; INO80 complex subunit K; actin-related protein 4; hArpN beta; ACTL6A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Actin-like protein 6A (ACTL6A) ELISA Kit has high sensitivity and excellent specificity for detection of Human ACTL6A. No significant cross-reactivity or interference between Human ACTL6A and analogues was observed.
Sequence Length	429
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Actin-like protein 6A (ACTL6A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ACTL6A elisa kit	Description: This Human Actin-like protein 6A (ACTL6A) ELISA Kit employs a two-site sandwich ELISA to quantitate ACTL6A in samples. An antibody specific for ACTL6A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACTL6A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACTL6A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ACTL6A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ACTL6A encodes a family member of actin-related proteins (ARPs), The 429-amino acid BAF53 protein shares extensive amino acid homology with actin and the yeast actin-related proteins Act2 and Act3. In addition, sequences encoding BAF53 homologs were identified in yeast and C. elegans. Two of 3 amino acids (asp11, gln137, and asp154 in actin) involved in tight calcium binding are conserved (asp17 and asp171 in BAF53). In contrast with the overall homology to actin, the ATP-binding pocket in actin is poorly conserved in BAF53, suggesting that BAF53 may not have ATP-binding activity. A comparison of the sequences of actin family members revealed that BAF53 is most related to Arp3, which is involved in Listeria motility.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4757718
NCBI GeneID	86
NCBI Accession #	NP_004292.1
NCBI GenBank Nucleotide #	NP_004292.1
UniProt Accession #	O96019
NCBI Official Full Name	actin-like protein 6A isoform 1
NCBI Official Synonym Full Names	actin like 6A
NCBI Official Symbol	ACTL6A
NCBI Official Synonym Symbols	Arp4; ACTL6; BAF53A; INO80K; ARPN-BETA
NCBI Protein Information	actin-like protein 6A
UniProt Protein Name	Actin-like protein 6A
UniProt Gene Name	ACTL6A
UniProt Synonym Gene Names	BAF53; BAF53A; INO80K; BAF53A
UniProt Entry Name	ACL6A_HUMAN

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://stage.aaabiotech.com/human-elisa-kits/actin-like-protein-6a-actl6a/331087>