

## Human Actin related protein 3 (ACTR3) ELISA Kit | ACTR3 elisa kit

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CATALOG #  
**AAA246793**

REACTIVITY  
**Human**

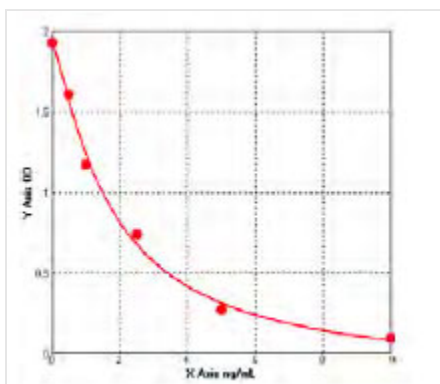
### PRODUCT SYNONYMS

Actin related protein 3 (ACTR3); Human Actin related protein 3 (ACTR3) ELISA Kit; ACTR3 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 1.0 pg/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for ACTR3 elisa kit

**Intended Uses:** This ACTH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep ACTH. This ELISA kit for research use only!

**Principle of the Assay:** ACTH ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ACTH antibody and an ACTH-HRP conjugate. The assay sample and buffer are incubated together with ACTH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ACTH concentration since ACTH from samples and ACTH-HRP conjugate compete for the anti-ACTH antibody binding site. Since the number of sites is limited, as more sites are occupied by ACTH from the sample, fewer sites are left to bind ACTH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACTH concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| NCBI GI #                        | 5031573                                       |
| NCBI GeneID                      | 10096                                         |
| NCBI Accession #                 | NP_005712.1                                   |
| NCBI GenBank Nucleotide #        | NM_005721.4                                   |
| Molecular Weight                 | 47,371 Da                                     |
| NCBI Official Full Name          | actin-related protein 3 isoform 1             |
| NCBI Official Synonym Full Names | ARP3 actin-related protein 3 homolog (yeast)  |
| NCBI Official Symbol             | ACTR3                                         |
| NCBI Official Synonym Symbols    | ARP3                                          |
| NCBI Protein Information         | actin-related protein 3; actin-like protein 3 |
| UniProt Protein Name             | Actin-related protein 3                       |
| UniProt Gene Name                | <b>ACTR3</b>                                  |
| UniProt Synonym Gene Names       | ARP3                                          |
| UniProt Entry Name               | ARP3_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.