

## Human Alpha actinin 4 (ACTN 4) ELISA Kit | ACTN4 elisa kit

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CATALOG #  
**AAA246628**

REACTIVITY  
**Human**

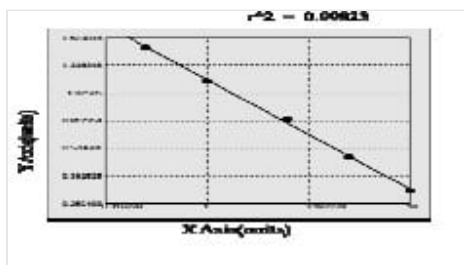
### PRODUCT SYNONYMS

Alpha actinin 4 (ACTN 4); Human Alpha actinin 4 (ACTN 4) ELISA Kit; ACTN4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 2.5-50ng/ml                                                                |
| Sensitivity             | 0.1ng/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for ACTN4 elisa kit

**Intended Uses:** This ACTN 4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ACTN 4. This ELISA kit for research use only!

**Principle of the Assay**||ACTN 4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACTN 4 antibody and an ACTN 4-HRP conjugate. The assay sample and buffer are incubated together with ACTN 4-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 ACTN 4 concentration since ACTN 4 from samples and ACTN 4-HRP conjugate compete for the anti-ACTN 4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACTN 4 from the sample, fewer sites are left to bind ACTN 4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACTN 4 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for ACTN4 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 12025678                                                                                                                                 |
| NCBI GeneID                      | 81                                                                                                                                       |
| NCBI Accession #                 | NP_004915.2                                                                                                                              |
| NCBI GenBank Nucleotide #        | NM_004924.4                                                                                                                              |
| Molecular Weight                 | 59,579 Da                                                                                                                                |
| NCBI Official Full Name          | alpha-actinin-4                                                                                                                          |
| NCBI Official Synonym Full Names | actinin, alpha 4                                                                                                                         |
| NCBI Official Symbol             | ACTN4                                                                                                                                    |
| NCBI Official Synonym Symbols    | FSGS; FSGS1; ACTININ-4                                                                                                                   |
| NCBI Protein Information         | alpha-actinin-4; actinin alpha4 isoform; non-muscle alpha-actinin 4; F-actin cross-linking protein; focal segmental glomerulosclerosis 1 |
| UniProt Protein Name             | Alpha-actinin-4                                                                                                                          |
| UniProt Gene Name                | ACTN4                                                                                                                                    |
| UniProt Entry Name               | ACTN4_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://www.aaabiotech.com/actn4-human-elisa-kits/alpha-actinin-4-actn-4/246628>