

Human Alpha-actinin-4 ELISA Kit | ACTN4 elisa kit

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CATALOG #
AAA101082

REACTIVITY
Human

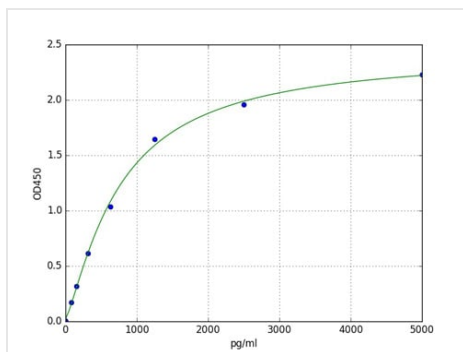
PRODUCT SYNONYMS

Alpha-actinin-4; Human Alpha-actinin-4 ELISA Kit; ACTN4/Alpha-actinin-4/F-actin cross-linking protein/Non-muscle alpha-actinin 4/ACTININ-4/FSGS/FSGS1; ACTN4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	911
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human ACTN4 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.031	0.064	0.102	0.190	0.381	0.729	1.475	2.279

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTN4 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human ACTN4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human ACTN4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human ACTN4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human ACTN4 can be calculated.

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
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://stage.aaabiotech.com/actn4-human-elisa-kits/alpha-actinin-4/101082>