

Rat Tensin-4 (TNS4) ELISA Kit | TNS4 elisa kit

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CATALOG #
AAA330184

REACTIVITY
Rat

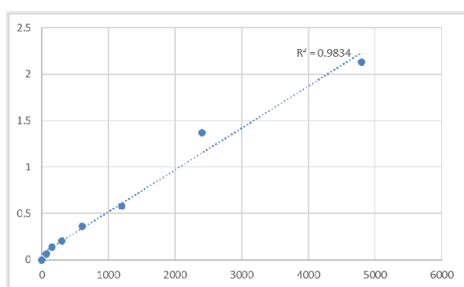
PRODUCT SYNONYMS

Tensin-4 (TNS4); Rat Tensin-4 (TNS4) ELISA Kit; TNS4; CTEN; FLJ14950; PP14434; C terminal tensin like; C-terminal tensin-like; OTTHUMP00000164465; TNS4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Tensin-4 (TNS4) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TNS4. No significant cross-reactivity or interference between Rat TNS4 and analogues was observed.
Sequence Length	718
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. Rat Tensin-4 (TNS4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNS4 elisa kit	Description: This Rat Tensin-4 (TNS4) ELISA Kit employs a two-site sandwich ELISA to quantitate TNS4 in samples. An antibody specific for TNS4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNS4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNS4 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 TNS4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: CTEN was reduced or lost in several prostate cancers and in prostate cancer cell lines.The deduced 715-amino acid protein has a calculated molecular mass of 76.9 kD. The C terminus of CTEN shares 50% and 45% amino acid identity with the C termini of tensin-1 and tensin-2, respectively. Like these proteins, CTEN contains Src homology-2 and phosphotyrosine-binding domains, but it lacks the N-terminal actin-binding domain. CTEN also has 6 potential tyrosine phosphorylation sites. Endogenous CTEN expressed by a nontransformed prostate epithelial cell line and CTEN synthesized by in vitro transcription and translation both had an apparent molecular mass of about 90 kD by SDS-PAGE. Immunofluorescence staining localized CTEN to focal adhesions in prostate epithelial cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	67846032
NCBI GeneID	303517
NCBI Accession #	NP_001020052.1
NCBI GenBank Nucleotide #	NP_001020052.1
UniProt Accession #	Q4V8I3
NCBI Official Full Name	tensin-4
NCBI Official Synonym Full Names	tensin 4
NCBI Official Symbol	Tns4
NCBI Official Synonym Symbols	RGD1310402
NCBI Protein Information	tensin-4
UniProt Protein Name	Tensin-4
UniProt Gene Name	Tns4
UniProt Entry Name	TENS4_RAT

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.