

Human Sestrin-3 (SESN3) ELISA Kit | SESN3 elisa kit

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CATALOG #
AAA330895

REACTIVITY
Human

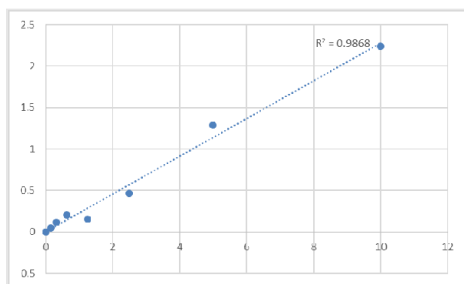
PRODUCT SYNONYMS

Sestrin-3 (SESN3); Human Sestrin-3 (SESN3) ELISA Kit; SESN3; MGC29667; SEST3; SESN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sestrin-3 (SESN3) ELISA Kit has high sensitivity and excellent specificity for detection of Human SESN3. No significant cross-reactivity or interference between Human SESN3 and analogues was observed.
Sequence Length	492
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 Sestrin-3 (SESN3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SESN3 elisa kit	Description: This Human Sestrin-3 (SESN3) ELISA Kit employs a two-site sandwich ELISA to quantitate SESN3 in samples. An antibody specific for SESN3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SESN3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SESN3 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 SESN3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: By database mining, Peeters et al. (2003) identified a gene family related to p53-activated gene-26 (PA26), which they termed the sestrin family. Sequence alignment of human and mouse sestrin protein family members showed that the gene family is highly conserved. The SEST3 gene encodes a deduced 492-amino acid protein. Using FISH, Peeters et al. (2003) confirmed the localization of the human sestrin genes PA26, SEST2, and SEST3 to chromosomes 6q21, 1p35.3, and 11q21, respectively. Using the same method, they mapped the mouse Pa26, Sest2, and Sest3 genes to syntenic regions on chromosomes 4, 9, and 10, respectively.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31377591
NCBI GeneID	143686
NCBI Accession #	NP_653266
NCBI GenBank Nucleotide #	NP_653266.2
UniProt Accession #	P58005
NCBI Official Full Name	sestrin-3 isoform 1
NCBI Official Synonym Full Names	sestrin 3
NCBI Official Symbol	SESN3
NCBI Official Synonym Symbols	SEST3
NCBI Protein Information	sestrin-3
UniProt Protein Name	Sestrin-3
UniProt Gene Name	SESN3
UniProt Synonym Gene Names	SEST3
UniProt Entry Name	SESN3_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/sestrin-3-sesn3/330895>