

Human Sestrin-1 (SESN1) ELISA Kit | SESN1 elisa kit

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CATALOG #
AAA330897

REACTIVITY
Human

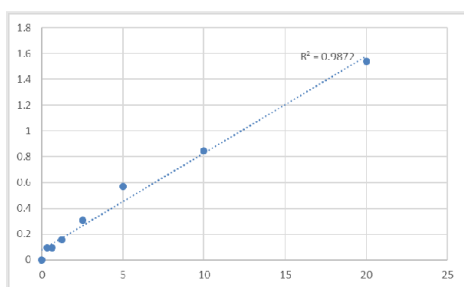
PRODUCT SYNONYMS

Sestrin-1 (SESN1); Human Sestrin-1 (SESN1) ELISA Kit; SESN1; MGC138241; MGC142129; PA26; RP11-787I22.1; SEST1; p53 regulated PA26 nuclear protein; SESN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sestrin-1 (SESN1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SESN1. No significant cross-reactivity or interference between Human SESN1 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-1 (SESN1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SESN1 elisa kit	Description: This Human Sestrin-1 (SESN1) ELISA Kit employs a two-site sandwich ELISA to quantitate SESN1 in samples. An antibody specific for SESN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SESN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SESN1 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 SESN1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Only the smaller transcript was transiently induced by p53 or by genotoxic agents in a p53-dependent manner in a colon carcinoma cell line. The deduced proteins, which are 99% identical to the mouse proteins, contain 551, 491, and 426 amino acids, respectively. RT-PCR analysis detected induction of T2 in response to p53 or genotoxic stress; however, T1 was not induced and T3 was only weakly induced. Western blot analysis showed induction of a predominant 55-kD T2 nuclear protein rather than the 68-kD T1 protein or the 48-kD T3 protein. Sequence analysis predicted, and EMSA and reporter analysis confirmed, that PA26 has a p53-binding site within intron 2. Serum starvation experiments suggested that PA26 may be a member of the growth arrest- and DNA damage-inducible, or GADD, gene family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	253314527
NCBI GeneID	140742
NCBI Accession #	NP_001013388.2
NCBI GenBank Nucleotide #	NP_001013388.2
UniProt Accession #	P58006
NCBI Official Full Name	sestrin-1 isoform 2
NCBI Official Synonym Full Names	sestrin 1
NCBI Official Symbol	Sesn1
NCBI Official Synonym Symbols	Pa26; Sest1; AU044290; 1110002G11Rik
NCBI Protein Information	sestrin-1
UniProt Protein Name	Sestrin-1
UniProt Gene Name	Sesn1

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-1-sesn1/330897>