

Human Regucalcin (RGN) ELISA Kit | RGN elisa kit

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CATALOG #
AAA331001

REACTIVITY
Human

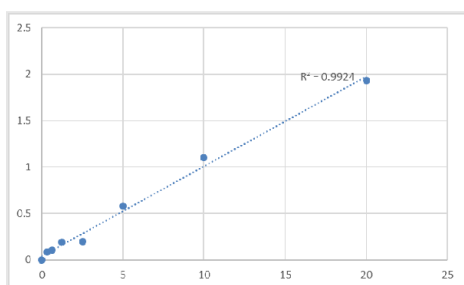
PRODUCT SYNONYMS

Regucalcin (RGN); Human Regucalcin (RGN) ELISA Kit; RGN; CTD-2522E6.2; RC; SMP30; OTTHUMP00000023196; regucalcin; senescence marker protein-30; RGN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Regucalcin (RGN) ELISA Kit has high sensitivity and excellent specificity for detection of Human RGN. No significant cross-reactivity or interference between Human RGN and analogues was observed.
Sequence Length	299
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 Regucalcin (RGN) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RGN elisa kit	Description: This Human Regucalcin (RGN) ELISA Kit employs a two-site sandwich ELISA to quantitate RGN in samples. An antibody specific for RGN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RGN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RGN 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 RGN bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Regucalcin is a highly conserved, calcium-binding protein, that is preferentially expressed in the liver and kidney. It may have an important role in calcium homeostasis. Studies in rat indicate that this protein may also play a role in aging, as it shows age-associated down-regulation. This gene is part of a gene cluster on chromosome Xp11.3-Xp11.23. Alternative splicing results in two transcript variants having different 5' UTRs, but encoding the same protein. Regucalcin is a proposed name for a calcium-binding protein that was discovered in 1978. Regucalcin differs from calmodulin and other Ca2+-related proteins as it does not contain an EF-hand motif of Ca2+-binding domain. It may regulate the effect of Ca2+ on liver cell functions.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3334328
NCBI GeneID	9104
UniProt Accession #	Q15493
NCBI Official Full Name	Regucalcin
NCBI Official Synonym Full Names	regucalcin
NCBI Official Symbol	RGN
NCBI Official Synonym Symbols	RC; GNL; SMP30; HEL-S-41
NCBI Protein Information	regucalcin
UniProt Protein Name	Regucalcin
UniProt Gene Name	RGN
UniProt Synonym Gene Names	SMP30; RC; GNL; SMP-30
UniProt Entry Name	RGN_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/regucalcin-rgn/331001>