

Human Ghrelin O-Acyltransferase (MBOAT4) ELISA Kit | GOAT elisa kit

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CATALOG #
AAA331850

REACTIVITY
Human

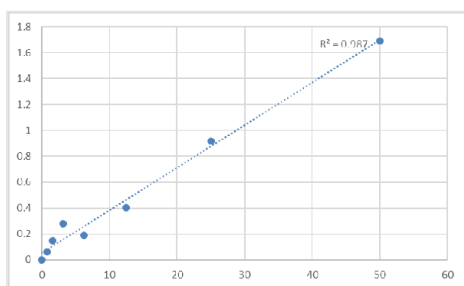
PRODUCT SYNONYMS

Ghrelin O-Acyltransferase (MBOAT4); Human Ghrelin O-Acyltransferase (MBOAT4) ELISA Kit; MBOAT4; FKSG89; OACT4; O-acyltransferase (membrane bound) domain containing 4; ghrelin O-acyltransferase; GOAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Ghrelin O-acyltransferase (MBOAT4) ELISA Kit has high sensitivity and excellent specificity for detection of Human MBOAT4. No significant cross-reactivity or interference between Human MBOAT4 and analogues was observed.
Sequence Length	435
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 Ghrelin O-acyltransferase (MBOAT4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for GOAT elisa kit	Description: This Human Ghrelin O-acyltransferase (MBOAT4) ELISA Kit employs a two-site sandwich ELISA to quantitate MBOAT4 in samples. An antibody specific for MBOAT4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MBOAT4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MBOAT4 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 MBOAT4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: GOAT could modify ghrelin ser3 with fatty acids up to tetradecanoic acid. Replacement of his338 of GOAT with ala completely abolished the ability of GOAT to octanoylate ghrelin.mouse Goat octanoylated ghrelin (GHRL), a 28-amino acid appetite-stimulating peptide hormone, following cotransfection of Goat and preproghrelin in cultured endocrine cell lines. Mutation analysis showed that Goat octanoylated ghrelin on ser3, a modification required for its endocrine effects. Asp307 and his338 of Goat were required for octanoylation.The mouse and human proteins both contain 435 amino acids and have 8 putative transmembrane segments and conserved catalytic asparagine and histidine residues. Semiquantitative PCR of mouse tissues detected highest Goat expression in stomach, with lower expression in small intestine, colon, and testis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189571629
NCBI Accession #	NP_001094386.1
NCBI GenBank Nucleotide #	NP_001094386.1
UniProt Accession #	Q96T53
NCBI Official Full Name	ghrelin O-acyltransferase
UniProt Protein Name	Ghrelin O-acyltransferase
UniProt Gene Name	MBOAT4
UniProt Synonym Gene Names	GOAT; OACT4; O-acyltransferase domain-containing protein 4

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/goat-human-elisa-kits/ghrelin-o-acyltransferase-mboat4/331850>