Acylation Stimulating (ASP) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Acylation Stimulating Protein (ASP), ELISA Kit
Full Product Name	Human Acylation Stimulating Protein (ASP) ELISA Kit
Product Gene Name	ASP elisa kit
Species Reactivity	Human
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	9,972 Da
OMIM	605353
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ASP elisa kit	MBS260941 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Acylation Stimulating Protein (ASP) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ASP. The ELISA analytical biochemical technique of the MBS260941 kit is based on ASP antibody-ASP antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ASP antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ASP. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of ASP elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ASP. It may not necessarily be applicable to this product.

NCBI GI #	17865471
NCBI GeneID	51738
NCBI Accession #	Q9UBU3.1
UniProt Secondary Accession #	Q86YP8; Q8TAT9; Q9H3R3; A8CF34; A8CF38; A8CF42; A8DN29; A8DN30
UniProt Related Accession #	Q9UBU3
NCBI Official Full Name	Appetite-regulating hormone
NCBI Official Synonym Full Names	ghrelin/obestatin prepropeptide
NCBI Official Symbol	GHRL
NCBI Official Synonym Symbols	MTLRP
UniProt Protein Name	Appetite-regulating hormone
UniProt Synonym Protein Names	Growth hormone secretagogue; Growth hormone-releasing peptide; Motilin-related peptide; Protein M46Cleaved into the following 3 chains:Ghrelin-27; Ghrelin-28; Ghrelin; Obestatin
Protein Family	21 kDa seed protein
UniProt Gene Name	GHRL

UniProt Synonym Gene Names	MTLRP; UNQ524/PRO1066; Ghrelin
UniProt Entry Name	GHRL_HUMAN
NCBI Protein Information	appetite-regulating hormone; motilin-related peptide; growth hormone secretagogue; ghrelin/obestatin preprohormone; growth hormone-releasing peptide; prepro-appetite regulatory hormone; ghrelin, growth hormone secretagogue receptor ligand
NCBI Summary for ASP	This gene encodes ghrelin-obestatin preproprotein, which generates ghrelin and obestatin. Ghrelin is an endogenous ligand for the growth hormone secretagogue receptor and is involved in regulating growth hormone release. Obestatin was initially reported to be an endogenous ligand for the orphan G protein-coupled receptor GPR39 and was involved in satiety and decreased food intake; however, these findings are controversial. Recent reports show that obestatin is involved in inhibiting thirst and anxiety, improving memory, regulating sleep, affecting cell proliferation, and increasing the secretion of pancreatic juice enzymes. Alternative promoters and alternative splicing result in multiple transcript variants, some of which encode different protein isoforms and some of which do not encode a protein but may regulate the ghrelin-obestatin preproprotein expression. In addition, antisense transcripts for this gene have been identified and may also function in regulation of the ghrelin-obestatin preproprotein expression. [provided by RefSeq, Oct 2008]
UniProt Comments for ASP	ghrelin: a hormone that binds to the growth hormone secretagogue receptor type 1 (GHSR). Secreted by the stomach Protein type: Cell cycle regulation; Cell development/differentiation; Secreted, signal peptide; Secreted; Apoptosis Chromosomal Location of Human Ortholog: 3p26-p25 Cellular Component: extracellular space; endoplasmic reticulum lumen; axon; extracellular region Molecular Function: growth hormone-releasing hormone activity; G-protein-coupled receptor binding; ghrelin receptor binding; protein tyrosine kinase activator activity Biological Process: cortisol secretion; negative regulation of circadian sleep/wake cycle, REM sleep; positive regulation of cortisol secretion; hormone-mediated signaling; activation of MAPK activity; response to hormone stimulus; negative regulation of interleukin-6 biosynthetic process; decidualization; positive regulation of multicellular organism growth; positive regulation of adrenocorticotropic hormone secretion; negative regulation of insulin secretion; growth hormone secretion; elevation of cytosolic calcium ion concentration; negative regulation of locomotion; positive regulation of appetite; dendrite development; negative regulation of tumor necrosis factor biosynthetic process; positive regulation of circadian sleep/wake cycle, non-REM sleep; regulation of response to food; gastric acid secretion; glucose metabolic process; positive regulation of insulin secretion; adult feeding behavior; negative regulation of interleukin-1 beta production; regulation of cell proliferation; positive regulation of growth hormone secretion; positive regulation of synaptogenesis; G-protein coupled receptor protein signaling pathway; negative regulation of angiogenesis; cellular protein metabolic process; response to estrogen stimulus; negative regulation of inflammatory response; cartilage development; actin polymerization and/or depolymerization; negative regulation of endothelial cell proliferation; regulation of excitatory postsynaptic membrane potential; negative regulation of apoptosis Disease: Obesity
Research Articles on ASP	**1.** Association of the GHRL Leu72Met polymorphism and resistance to diabetic nephropathy in Chinese type 2 diabetes mellitus patients.
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