Kallikrein 1, KLK1 (KLK1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Kallikrein 1, KLK1, ELISA Kit
Full Product Name	Human Kallikrein 1, KLK1 ELISA Kit
Product Gene Name	KLK1 elisa kit
Species Reactivity	Human
Preparation and Storage	Store at 2 to 8 degree C for 6 months.
Molecular Weight	23,835 Da
3D Structure	ModBase 3D Structure for P06870
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for KLK1 elisa kit	MBS163542 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Kallikrein 1, KLK1, 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 KLK1. The ELISA analytical biochemical technique of the MBS163542 kit is based on KLK1 antibody-KLK1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect KLK1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, KLK1. 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 KLK1 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 KLK1. It may not necessarily be applicable to this product.

NCBI GI #	4504875
NCBI GeneID	3816
NCBI Accession #	NP_002248.1
UniProt Primary Accession #	P06870
UniProt Secondary Accession #	Q66US9; Q86U61; Q8TCV8; Q9BS53; Q9NQU4; Q9UD19; Q9UMJ1
UniProt Related Accession #	P06870
GenBank Nucleotide #	NM_002257.3
NCBI Official Full Name	kallikrein-1 preproprotein
NCBI Official Synonym Full Names	kallikrein 1
NCBI Official Symbol	KLK1
NCBI Official Synonym Symbols	hK1; KLKR; Klk6
UniProt Protein Name	Kallikrein-1
UniProt Synonym Protein Names	Kidney/pancreas/salivary gland kallikrein; Tissue kallikrein
Protein Family	Blarinasin

UniProt Gene Name	KLK1
NCBI Protein Information	kallikrein-1
NCBI Summary for KLK1	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. This protein is functionally conserved in its capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen. [provided by RefSeq, Jul 2008]
UniProt Comments for KLK1	Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin.
Research Articles on KLK1	**1.** Our findings suggest that the A2233C polymorphism of KLK1 may be a marker of evaluation of hypertensive subjects' responses to angiotensin I converting enzyme inhibitors benazepril.
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