Human Polyserase-2 (PRSS36) ELISA Kit

Catalog No: #EK8082

Package Size: #EK8082-1 48T #EK8082-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Polyserase-2 (PRSS36) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ90661; polyserase-2|polyserine protease-2
Accession No.	Q5K4E3
Uniprot	Q5K4E3
GeneID	146547;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PRSS36 in samples. An antibody specific for PRSS36 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRSS36 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRSS36 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 PRSS36 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The deduced 855-amino acid protein has a predicted molecular mass of 93 kD and contains 9 potential N-glycosylation sites. PRSS36 contains a signal peptide, followed by a propeptide domain, an active serine protease domain with the catalytic his, asp, and ser residues, and 2 serine protease domains predicted to be catalytically inactive. The first serine protease domain shares amino acid identity of 40 to 42% with gamma-1 tryptase (TPSG1), pancreasin, matriptase (ST14;), matriptase-2 (TMPRSS6), and polyserase-1 (TMPRSS9). Northern blot analysis detected a 5-kb transcript in fetal kidney and adult skeletal muscle, liver, placenta, and heart. A 2.2-kb transcript was detected in placenta, prostate, and colon and lung adenocarcinoma cell lines, and may be produced by alternative splicing.

Note: This product is for in vitro research use only