

Human Phosphatidylinositol-4-phosphate 5-kinase type-1 beta (PIP5K1B) ELISA Kit



Catalog No: #EK8499

Orders: order@signalwayantibody.com

Package Size: #EK8499-1 48T #EK8499-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Phosphatidylinositol-4-phosphate 5-kinase type-1 beta (PIP5K1B) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MSS4; STM7; OTTHUMP00000021423
Accession No.	O14986
Uniprot	O14986
GeneID	8395;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:15.6 pg/mL

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 PIP5K1B in samples. An antibody specific for PIP5K1B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPIP5K1B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PIP5K1B 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 PIP5K1B bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**STM7 gene contains 17 exons and spans more than 300 kb.Expression was found to be complex, with multiple transcripts detected in a variety of tissues and evidence of alternative splicing and developmental control. The predicted amino acid sequence for the 2.7-kb transcript showed a marked homology to the deduced amino acid sequence of the MSS4 protein of Saccharomyces cerevisiae, which had been proposed to function in the phosphoinositide cycle, thus suggesting a potential role for the human homolog in signal transduction. Although no evidence of mutation was detected in the transcript, the sequence represented only one of the shorter alternatively spliced species identified by Northern analysis and direct sequencing.

Note: This product is for in vitro research use only