Human Protein phosphatase Slingshot homolog 3 (SSH3) ELISA Kit

Catalog No: #EK6665

Package Size: #EK6665-1 48T #EK6665-2 96T

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Description

Product Name	Human Protein phosphatase Slingshot homolog 3 (SSH3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ10928; FLJ20515; FLJ42240; SSH3L; slingshot 3|slingshot homolog 3
Accession No.	Q8TE77
Uniprot	Q8TE77
GeneID	54961;
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:0.156-10 ng/mL

Sensitivity:0.067 ng/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 SSH3 in samples. An antibody specific for SSH3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySSH3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SSH3 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 SSH3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The ADF (actin-depolymerizing factor)/cofilin family is composed of stimulus-responsive mediators of actin dynamics. ADF/cofilin proteins are inactivated by kinases such as LIM domain kinase-1 (LIMK1). The SSH family appears to play a role in actin dynamics by reactivating ADF/cofilin proteins in vivo.

Transcript analysis suggested that at least 6 polypeptides would be produced from these genes. SSH1 encodes 3 isoforms, SSH1L, SSH1S, and SSH1B, and SSH2 encodes 2 isoforms, SSH2 and SSH2B. The SSH3 protein has 471 amino acids. Besides the catalytic domain, 2 other domains are conserved between Drosophila ssh and the human SSHs (domains A and B) and are unique to the SSH family.

Note: This product is for in vitro research use only