

Human Phosphoribosyltransferase domain-containing protein 1 (PRTFDC1) ELISA Kit



Catalog No: #EK8079

Orders: order@signalwayantibody.com

Package Size: #EK8079-1 48T #EK8079-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Phosphoribosyltransferase domain-containing protein 1 (PRTFDC1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ11888; HHGP;
Accession No.	Q9NRG1
Uniprot	Q9NRG1
GeneID	56952;
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: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 PRTFDC1 in samples. An antibody specific for PRTFDC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRTFDC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRTFDC1 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 PRTFDC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The predicted PRTFDC1 protein contains a phosphoribosyl transferase domain, but it lacks conservation of 11 HPRT1 residues critical for HPRT function, suggesting that PRTFDC1 has lost its ancestral HPRT activity. Database analysis revealed that Prtfdc1 is present in several vertebrate species. However, in mouse, the Prtfdc1 gene appeared to be inactive due to 3 independent mutations.

PRTFDC1was inactivated either by deletion or hypermethylation in a significant subset of oral squamous cell carcinomas. Restoration of PRTFDC1 expression in 1 of these lines inhibited cell growth in colony formation assays, whereas knockdown of PRTFDC1 expression in PRTFDC1-expressing cells promoted cell growth.

Note: This product is for in vitro research use only