

Human Proline/serine-rich coiled-coil protein 1 (PSRC1) ELISA Kit

Catalog No: #EK8043

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Package Size: #EK8043-1 48T #EK8043-2 96T

Description

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|--------------------|---|
| Product Name | Human Proline/serine-rich coiled-coil protein 1 (PSRC1) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Human (Homo sapiens) |
| Other Names | RP11-297O4.2; DDA3; FP3214; MGC1780; OTTHUMP00000205834 OTTHUMP00000205835 OTTHUMP00000205836 differential display and activated by p53 p53-regulated DDA3 |
| Accession No. | Q6PGN9 |
| Uniprot | Q6PGN9 |
| GeneID | 84722; |
| 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:0.048 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 PSRC1 in samples. An antibody specific for PSRC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPSRC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PSRC1 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 PSRC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**PSRC1 encodes a proline-rich protein. Studies of the related mouse gene suggest that this gene is regulated by p53 and may participate in p53-mediated growth suppression. Alternatively spliced transcript variants encoding different isoforms have been described.

The deduced 333-amino acid protein shares 68.2% identity with mouse Dda3, with highest conservation in the N-terminal half. Both mouse and human DDA3 are rich in serine and proline and contain a coiled-coil domain, and 3 of 6 PxxP motifs in mouse Dda3 are conserved in human DDA3. PCR

analysis revealed variable DDA3 expression in all human tissues examined except skeletal muscle. Highest expression was detected in fetal thymus and adult brain.

Note: This product is for in vitro research use only