

Rat Sulfhydryl oxidase 1 (QSOX1) ELISA Kit

Catalog No: #EK7825



Package Size: #EK7825-1 48T #EK7825-2 96T

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Description

Product Name	Rat Sulfhydryl oxidase 1 (QSOX1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	FLJ34858; Q6; QSCN6;
Accession No.	Q6IUU3
Uniprot	Q6IUU3
GeneID	84491;
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 QSOX1 in samples. An antibody specific for QSOX1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyQSOX1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for QSOX1 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 QSOX1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Sulfhydryl oxidase 1 is a protein that contains domains of thioredoxin and ERV1, members of two long-standing gene families. The gene expression is induced as fibroblasts begin to exit the proliferative cycle and enter quiescence, suggesting that this gene plays an important role in growth regulation. Two transcript variants encoding two different isoforms have been found for this gene.

Coppock et al. (1993) isolated human embryo lung fibroblast cDNAs that were expressed at a higher level in quiescent cells than in logarithmically growing cells. Several partial cDNAs corresponded to the QSOX1 gene, which the authors called Q6. Northern blot analysis revealed that Q6 is expressed as 3- and 4-kb mRNAs in embryo lung fibroblasts.

Note: This product is for in vitro research use only