

Mouse Trinucleotide repeat-containing gene 6C protein (TNRC6C) ELISA Kit

Catalog No: #EK6100

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Package Size: #EK6100-1 48T #EK6100-2 96T

Description

Product Name	Mouse Trinucleotide repeat-containing gene 6C protein (TNRC6C) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	FLJ20015; KIAA1582;
Accession No.	Q3UHC0
Uniprot	Q3UHC0
GeneID	217351;
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 TNRC6C in samples. An antibody specific for TNRC6C has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNRC6C present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNRC6C 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 TNRC6C bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**By sequencing clones obtained from a fetal brain cDNA library, Nagase et al. (2000) cloned TNRC6C, which they designated KIAA1582. The deduced 1,448-amino acid protein contains an RNA recognition motif and a ubiquitin-associated (UBA) domain. RT-PCR ELISA detected moderate expression in heart, kidney, testis, ovary, adult and fetal brain, and all specific adult brain regions examined. Low expression was detected in skeletal muscle, and no expression was detected in lung, liver, pancreas, spleen, and fetal liver.

Schneider et al. (2006) stated that the TNRC6C protein contains a glycine/tryptophan (GW)-rich N-terminal domain, followed by a UBA domain, a glutamine-rich region, and a C-terminal RNA recognition motif.

Note: This product is for in vitro research use only