

Bovine Gem-associated protein 6 (GEMIN6) ELISA Kit

Catalog No: #EK11587



Package Size: #EK11587-1 48T #EK11587-2 96T

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Description

Product Name	Bovine Gem-associated protein 6 (GEMIN6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	FLJ23459; gemin 6
Accession No.	Q2KHW8
Uniprot	Q2KHW8
GeneID	525263;
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:7.81-500 pg/mL

Sensitivity:2.7 pg/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 GEMIN6 in samples. An antibody specific for GEMIN6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyGEMIN6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GEMIN6 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 GEMIN6 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**GEMIN6 is part of a large macromolecular complex, localized to both the cytoplasm and the nucleus, that plays a role in the cytoplasmic assembly of small nuclear ribonucleoproteins (snRNPs). Other members of this complex include SMN , GEMIN2 (SIP1), GEMIN3 (DDX20), GEMIN4, and GEMIN5.

The deduced 167-amino acid protein has a predicted molecular mass of 18 kD and shares 86% sequence identity with the mouse homolog. GEMIN6 migrates as a 16-kD protein by Western blot analysis of affinity purified SMN macromolecular complexes. Immunofluorescence microscopy of HeLa cells showed GEMIN6 staining in both the cytoplasm and the nucleus with a high concentration in gems.

Note: This product is for in vitro research use only