

# Mouse Sestrin-2 (SESN2) ELISA Kit

Catalog No: #EK7363



Package Size: #EK7363-1 48T #EK7363-2 96T

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## Description

Product Name	Mouse Sestrin-2 (SESN2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	DKFZp761M0212; DKFZp761M02121; HI95; SES2; SEST2; hypoxia induced gene 95
Accession No.	P58043
Uniprot	P58043
GeneID	230784;
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:0.156-10 ng/mL

Sensitivity:0.049 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 SESN2 in samples. An antibody specific for SESN2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySESN2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SESN2 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 SESN2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Sestrin-2 is a member of the sestrin family of PA26-related proteins. The encoded protein may function in the regulation of cell growth and survival. This protein may be involved in cellular response to different stress conditions.The full-length SEST2 cDNA encodes a deduced 480-amino acid protein predicted to be a compact globular domain protein composed predominantly of alpha-helical structures. SEST2 has several potential serine-threonine and tyrosine phosphorylation sites, most of them located within the alpha helices. Northern blot analysis revealed a 3.9-kb transcript expressed at low to moderate levels in most tissues examined. In vitro translation of the cDNA resulted in a protein with an apparent molecular mass of about 60 kD.

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Note: This product is for in vitro research use only