

# Mouse DNA-directed RNA polymerase III subunit RPC6 (POLR3F) ELISA Kit



Catalog No: #EK11439

Orders: order@signalwayantibody.com

Package Size: #EK11439-1 48T #EK11439-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Mouse DNA-directed RNA polymerase III subunit RPC6 (POLR3F) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	MGC13517; RPC39; RPC6; DNA-directed RNA polymerase III 39 kDa polypeptide F DNA-directed RNA polymerases III 39 kDa polypeptide RNA polymerase III C39 subunit
Accession No.	Q921X6
Uniprot	Q921X6
GeneID	70408;
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: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 POLR3F in samples. An antibody specific for POLR3F has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPOLR3F present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for POLR3F 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 POLR3F bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**POLR3F is one of more than a dozen subunits forming eukaryotic RNA polymerase III (RNA Pol III), which transcribes 5S ribosomal RNA and tRNA genes. This protein has been shown to bind both TFIIB90 and TBP, two subunits of RNA polymerase III transcription initiation factor IIIB (TFIIB). Unlike most of the other RNA Pol III subunits, the encoded protein is unique to this polymerase.

hRPC39 interacts physically with both hTBP and hTFIIB90, two subunits of human RNA Pol III transcription initiation factor IIIB. These data strongly suggest that the hRPC32-hRPC39-hRPC62 subcomplex directs RNA Pol III binding to the TFIIB-DNA complex via the interactions between TFIIB and hRPC39.

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Note: This product is for in vitro research use only