

Product datasheet

Recombinant human STK33 protein ab89591

5 Images

Description

Product name	Recombinant human STK33 protein
Biological activity	The Specific activity of ab89591 was determined to be 4.4-5.1 nmol/min/mg dependent on lot.
Purity	> 80 % Densitometry. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Specifications

Our **Abpromise guarantee** covers the use of **ab89591** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Western blot Functional Studies
Form	Liquid
Additional notes	ab64311 (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Tissue specificity

Highly expressed in testis, fetal lung and heart, followed by pituitary gland, kidney, interventricular septum, pancreas, heart, trachea, thyroid gland and uterus. Weak hybridization signals were observed in the following tissues: amygdala, aorta, esophagus, colon ascending, colon transverse, skeletal muscle, spleen, peripheral blood leukocyte, lymph node, bone marrow, placenta, prostate, liver, salivary gland, mammary gland, some tumor cell lines, fetal brain, fetal liver, fetal spleen and fetal thymus. No signal at all was detectable in RNA from tissues of the nervous system.

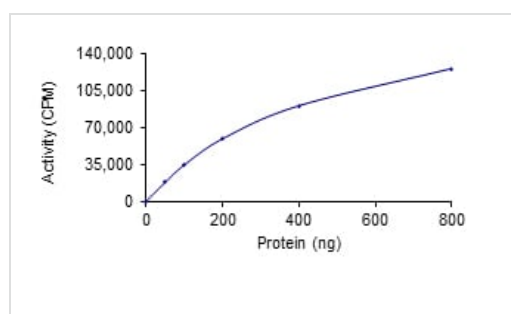
Sequence similarities

Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily. Contains 1 protein kinase domain.

Cellular localization

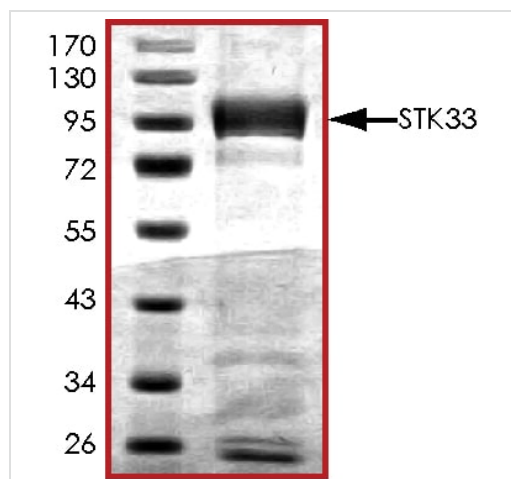
Cytoplasm > perinuclear region.

Images



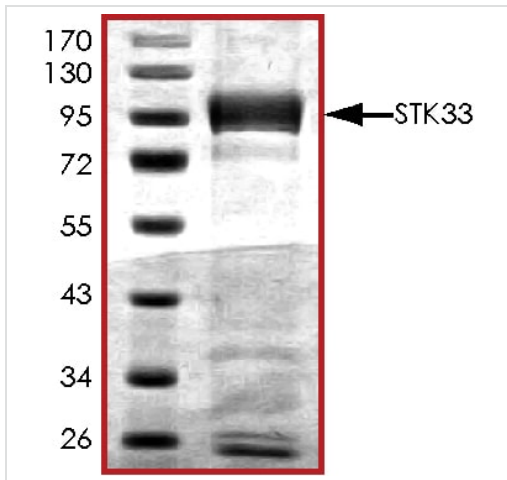
The specific activity of STK33 (ab89591) was determined to be 5.1 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human STK33 protein (ab89591)



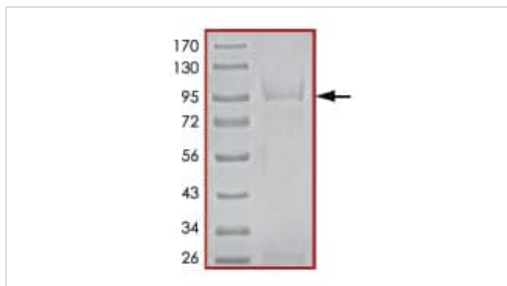
SDS PAGE analysis of ab89591

SDS-PAGE - Recombinant human STK33 protein (ab89591)



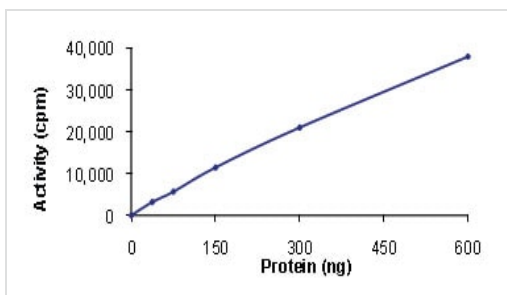
SDS PAGE analysis of ab89591

SDS-PAGE - Recombinant human STK33 protein (ab89591)



SDS-PAGE showing ab89591 at approximately 94kDa.

SDS-PAGE - Recombinant human STK33 protein (ab89591)



Kinase Assay demonstrating specific activity of ab89591.

Functional Studies - Recombinant human STK33 protein (ab89591)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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