Recombinant Pig RPSA Protein, His-tagged

Cat. No. RPSA-2728P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig RPSA Protein (Met1-Ser295) with N-His tag was expressed in E. coli.
Species	Pig
Source	E.coli
ProteinLength	Met1-Ser295
Description	Required for the assembly and/or stability of the 40S ribosomal subunit. Required for the processing of the 20S rRNA-precursor to mature 18S rRNA in a late step of the maturation of 40S ribosomal subunits. Also functions as a cell surface receptor for laminin. Plays a role in cell adhesion to the basement membrane and in the consequent activation of signaling transduction pathways. May play a role in cell fate determination and tissue morphogenesis. Also acts as a receptor for several other ligands, including the pathogenic prion protein, viruses, and bacteria. Acts as a PPP1R16B-dependent substrate of PPP1CA.
Form	Freeze-dried powder
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

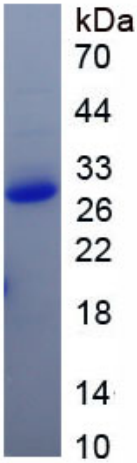
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	RPSA ribosomal protein SA [Sus scrofa (pig)]
Official Symbol	RPSA
Synonyms	RPSA; ribosomal protein SA; LAMR1; 40S ribosomal protein SA; 37 kDa laminin receptor; 37/67 kDa laminin receptor; 37LRP; 67 kDa laminin receptor; 67LR; LBP/p40; LRP/LR; lamR; laminin receptor 1; laminin-binding protein precursor p40
Gene ID	641351
mRNA Refseq	NM_001037146
Protein Refseq	NP_001032223
UniProt ID	Q4GWZ2

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