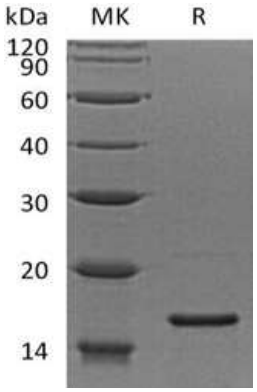
Recombinant Human RPS19

Catalog No: C170

Description	Recombinant Human 40S Ribosomal Protein S19 is produced by our E.coli expression system and the target gene encoding Pro2-His145 is expressed.
Source	E.coli
Alternative name	40S Ribosomal Protein S19; RPS19
Accession No.	P39019
Predicted Molecular Weight	16.1kDa
AP Molecular Weight	16kDa, reducing conditions.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, 1mM EDTA, pH 7.4.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
RECONSTITUTION	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Background	40S Ribosomal Protein S19 (RPS19) is a ribosomal protein that Belongs to the ribosomal protein S19e family. RPS19 is located in the nucleoli, and higher level expression is seen in colon carcinoma tissue than normal colon tissue. It required for pre-rRNA processing and maturation of 40S ribosomal subunits. RPS19 plays a role in many biological processes, such as endocrine pancreas development, erythrocyte differentiation, mRNA metabolic process. Defects in RPS19 are the cause of Diamond-Blackfan anemia type 1 (DBA1), which is a form of Diamond-Blackfan anemia, a congenital non-regenerative hypoplastic anemia that usually presents early in infancy. Diamond-Blackfan anemia is characterized by a moderate to severe macrocytic anemia, erythroblastopenia, and an increased risk of malignancy.

SDS-PAGE



MK: Marker

R: Sample in reducing conditions