

Recombinant Human 40S Ribosomal Protein S19/RPS19 Protein

Cat.NO.: TP05334

3th Edition

Synonyms:40S Ribosomal Protein S19; RPS19

Description: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 is 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.

Form:PBS

Molecular Weight:16.1 kDa

Sequences:Pro2-His145

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 µg of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.