60S ribosomal subunit, Rabbit Reticulocytes

CATALOG NO: P1314-300 300 µg

CONCENTRATION: 5 µg/µl

SOURCE: Rabbit Reticulocytes

MOL. WEIGHT: ~2 MDa

PURITY: ≥99% by SDS-PAGE

FORM: Liquid

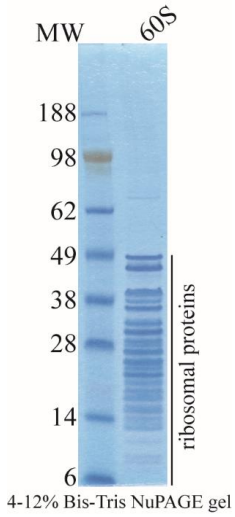
FORMULATION: In 20 mM Tris-HCl pH 7.5, 100 mM KCl, 2.5 mM $MgCl_2$, 2 mM DTT, and 0.25 M sucrose

STORAGE CONDITIONS: Store at -70°C. For long term storage aliquot and store at -70°C.

DESCRIPTION: The mammalian large ribosomal subunit (60S) is the larger subunit of the mammalian 80S ribosomes, with the other major component being the small ribosomal subunit (40S). The 60S subunit consists of a 28S ribosomal RNA (rRNA), a 5.8S rRNA, a short 5S rRNA, and ~47 ribosomal proteins. The 60S subunit catalyzes peptide bond formation and contains the nascent polypeptide exit tunnel.

REFERENCES:

Pisareva V.P., Skabkin M.A., Hellen C.U.T., Pestova T.V., Pisarev A.V. (2011) Dissociation by Pelota, Hbs1 and ABCE1 of mammalian vacant 80S ribosomes and stalled elongation complexes. EMBO J 30: 1804–1817.



60S ribosomal subunit from Rabbit Reticulocytes

RELATED PRODUCTS:

- 40S ribosomal subunit, Rabbit Reticulocytes **(Cat. No. P1313)**
- eEF1A, Rabbit Reticulocytes **(Cat. No. P1315)**
- eEF2, Rabbit Reticulocytes **(Cat. No. P1316)**
- eIF2, Rabbit Reticulocytes **(Cat. No. P1317)**
- eIF3, Rabbit Reticulocytes **(Cat. No. P1318)**

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