



**Human Calvarial Osteoblast total RNA**  
**(HCO total RNA)**  
Catalog Number: 4605

RNA Preparation:	Human Calvarial Osteoblasts (Cat. No. 4600) were harvested by trypsinization method and total RNA were isolated using Qiagen RNeasy kit. Total RNA concentration was determined by DU 800 UV/Visible spectrophotometer. An aliquot of 10 µg at concentration of 1 mg/ml was stored at -80°C.
Applications	RT-PCR, cDNA synthesis, RNA protection assay, northern blot analysis, purification of mRNA for library construction, PCR-select cDNA subtraction, and DNA micro array.
Storage Condition:	Store the RNA immediately at -80°C upon arrival. To ensure stability, we recommend aliquote the RNA into single-use fraction to avoid repeated freeze/thaw cycle.
Quality Control:	Purity: $A_{260}/A_{280}$ ratio of 1.9-2.1 RNA integrity: intact 18S rRNA bands and 28S rRNA bands verified by a denaturing agarose gel, with a 2:1 ratio of 28S:18S. Residual DNA: not detected by RT-PCR.
Concentration	10 µg (1mg/ml)
Shipping	Dry ice