



**Human Nucleus Pulposus Cell total RNA  
(HNPC total RNA)**  
Catalog Number: 4805

RNA Preparation:	HNPC total RNA was prepared from passage one culture of human nucleus pulposus cells using Qiagen RNeasy kit. Total RNA concentration was determined by DU 800 UV/Visible spectrophotometer. An aliquot of 10 µg 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, it is recommended to aliquot the RNA into single-use fractions to avoid repeated freeze/thaw cycles.
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 (1µg/µl)
Shipping	Dry ice