Recombinant Human Nucleosome, His-tagged, Biotinylated

Cat. No. NUC-002 **Lot. No.** (See product label)

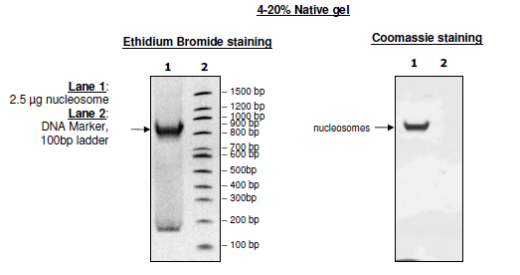
SPECIFICATION

Product Overview	Biotinylated Recombinant Human Nucleosome Protein, fused to N-terminal His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	Human recombinant nucleosomes consisting of 147 bp DNA (PCR) and 2 molecules each of histones H2A (a.a. 2-130(end)), H2B (a.a. 2-126(end)), H3 (a.a. 2-137(end)), and H4 (a.a. 2-103(end)), expressed in an E. coli expression system. GenBank Accession Nos. are NM_033445, NM_003528, NM_003532, and NM_003548, respectively. Each histone protein has an N-terminal His-tag. Each H2B has a C-terminal Cys added as a biotinylation site. Total histone MW (before biotinylation) =113.8 kDa.
Form	20 mM Tris-HCl, pH 7.5, 1 mM EDTA, 1 mM DTT, and 20% glycerol.
Molecular Mass	113.8 kDa
Applications	Substrate for histone methyltransferase or acetyltransferase assays. Ideal for screening small molecular inhibitors of histone methyltransferases and acetyltransferases for drug discovery and HTS applications. Since these nucleosomes were prepared in E
Notes	The concentration of this product is determined by Bradford and represents only the

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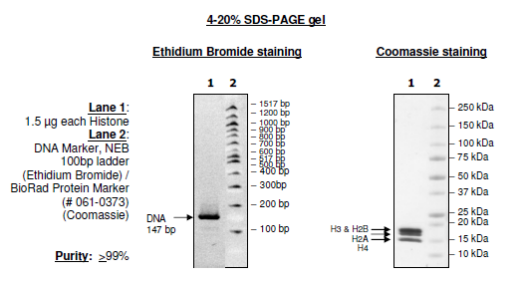
	protein concentration.
Stability	At least 6 months at –80°C. Avoid freeze/thaw cycles. Storing diluted protein is not recommended, if necessary, use carrier protein (BSA 0.1-0.5%).
Storage	Stable at -80°C for at least 6 months from date of receipt, when stored as directed
Concentration	1.01 mg/ml
Conjugation	Biotin

GENE INFORMATION

mRNA Refseq	NM_033445, NM_003528, NM_003532, NM_003549
UniProt ID	Q7L7L0, Q16778, P68431, P62805
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