

H4 | 300184

General information

Description	H4 is a histone protein that is a core component of nucleosomes. It is a basic protein that is highly conserved across species. It is involved in DNA packaging and gene regulation. H4 is also a target of various post-translational modifications, including phosphorylation, acetylation, and methylation. H4 is a major component of the histone core and is essential for the formation of the nucleosome structure. H4 is also involved in the regulation of gene expression and DNA replication.
Organism	Human
Tissue	Brain
Disease	Alzheimer's disease
Synonyms	H-4

Cellular localization

Age	37 years
Gender	Male
Ethnicity	White
Growth properties	Adherent

Cellular characteristics

Citation	H4 (H4) Cytion 300184
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1239

Protein expression

Protein expression	PGP9.5, NeuN, NSE
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Isoenzymes G6PD, B, PGM1, 1-2, PGM3, 1, ES-D, 1, Me-2, 0, AK-1, 1, GLO-1, 2.

Tumorigenic ☒ ☒

Karyotype XXXX XXXXXX = 75. XXXX 45 = 80. XXXXXXXX Y XXXX

XXXXXXXXXX

Culture Medium DMEM, w: 4.5 g/L $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 4 mM L- $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 3.7 g/L NaHCO_3 , w: 1.0 mM $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ ($\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ Cytion 820300a)

Supplements 10% FBS

**Dissociation
Reagent**

Subculturing

Seeding density 1×10^4 

Fluid renewal 2 3

Post-Thaw Recovery

Freeze medium

- [illegible]

37°C, 5% CO₂, ☐☐☐☐☐☐ ☐☐☐.

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Product sheet

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A*: '03:01:01, '30:02:01
B*: 08:01:01, 18:01:01
C*: 05:01:01, 07:01:01
DRB1*: 03:01:01
DQA1*: 05:01:01
DQB1*: 02:01:01
DPB1*: '01:01:01, '04:01:01
E: 01:03:02