STR Authentication Report For Cell Line

(B) UBIGENE

EU Toll free: 800 3272 9252

1. Cell Name: HK-2

- 2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.
- 3. Sample gene genotype analysis result:

| | | XL Genetic A analysis resu | | | | | |
|----------|-----------------------------|----------------------------|----------------|--------------------------------|--------------|---------|--|
| | Genotype | analysis resu | Its of STR and | Amelogenin l | oci in cells |) | |
| STR Loci | STR profile for Sample cell | | | STR profile for Cell Bank cell | | | |
| | Cell name: HK2-Y01-K | | | Cell name: HK-2 [Human kidney] | | | |
| | Allele1 | Allele2 | Allele3 | Allele1 | Allele2 | Allele3 | |
| D5S818 | 12 | 12 | -11B/C | 12 | 12 | | |
| D13S317 | 9 | 9 | | 9 | 9 | | |
| D7S820 | 10 | 11 | | 10 | 11 | IBIGE | |
| D16S539 | 11 | 12 | | 11 | 12 | | |
| VWA | 17 | 18 | | 17 | 18 | | |
| TH01 | 9 | 9 | | 9 | 9 | | |
| AMEL | Х | Х | | Х | Х | | |
| TPOX | 8 | 9 | | 8 | 9 | | |
| CSF1PO | 13 | 13 | JUBIC | 13 | 13 | | |
| D12S391 | 18 | 22 | | | | -51 | |
| FGA | 20 | 22 | | | | - IBIGE | |
| D2S1338 | 17 | 25 | | | | | |
| D21S11 | 28 | 30 | | | | | |
| D18S51 | 12 | 12 | | | | | |
| D8S1179 | 10 | 14 | | | | | |
| D3S1358 | 16 | 17 | | CNE | | | |
| D6S1043 | 12 | 13 | -11810 | | | | |

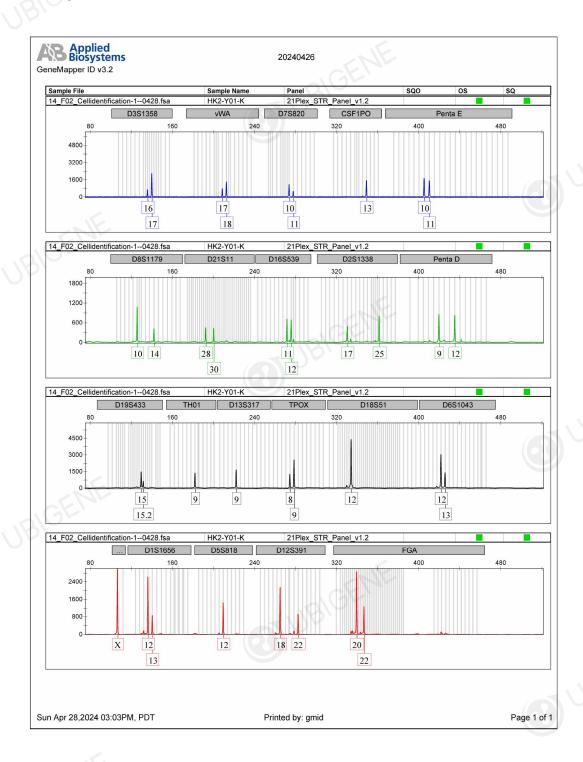
| PENTAE | 10 | 11 | | | |
|---------|----|------|-----|-----|--|
| D19S433 | 15 | 15.2 | | | |
| PENTAD | 9 | 12 | | ENE | |
| D1S1656 | 12 | 13 | BIC | | |

4. Conclusion: The STR results of <u>HK-2</u> cells are consistent with the genotypes of <u>HK-2</u> cell lines in <u>EXPASY</u> database, the cell ID corresponded to <u>CVCL_0302</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was found</u> in this cell line.

+86 153 6067 3248 | US Toll free: 855 777 3210 | EU Toll free: 800 3272 9252 | Korea Toll free: 001 800 3272 9252

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5. Attached Image



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