STR Authentication Report For Cell Line

(B) UBIGENE

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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:

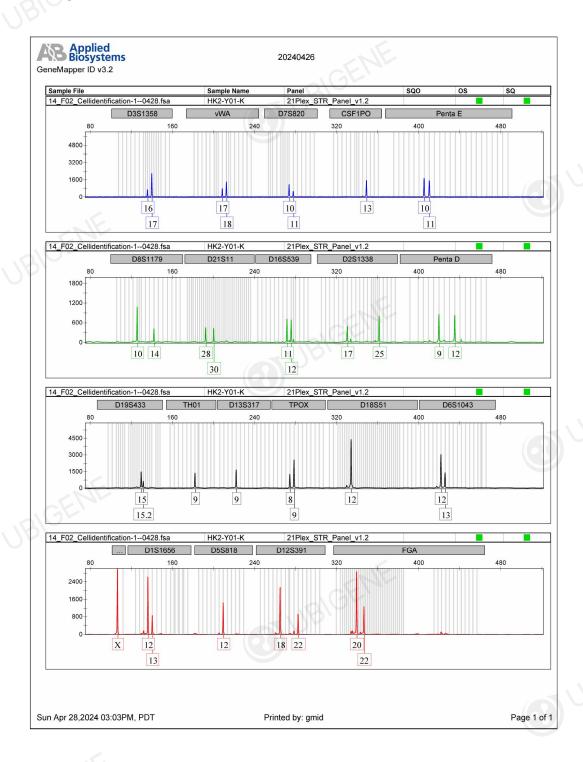
	Genotype	analysis resu	Ilts of STR and	Amelogenin l	oci in cells	
	STR profile for Sample cell Cell name: HK2			STR profile for Cell Bank cell Cell name: HK-2 [Human kidney]		
STR Loci						
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12	- IBIC	12	12	
D13S317	9	9		9	9	
D7S820	10	11		10	11	, IBIGH
D16S539	11	12		11	12	
VWA	17	18		17	18	
TH01	G 9	9		9	9	
AMEL	Х	Х		Х	Х	
TPOX	8	9		8	9	
CSF1PO	13	13	- IBIC	13	13	

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of <u>HK-2</u> cells are consistent with the genotypes of <u>HK-2</u> cell lines in **EXPASY** database, the cell ID corresponded to **CVCL 0302**, and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

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5. Attached Image



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