Cell Line
Authentication Report

Institution：Cobioer Biosciences CO.,LTD Vendor：Cobioer Biosciences CO.,LTD

Customer：Taohua Jiang Attention：Taohua Jiang

Tel：025-86880024 Tel：025-86880024

Email：jiangtaohua@cobioer.com Email：jiangtaohua@cobioer.com

1. Sample information:

Sample No.: “SK-N-AS”

2. Methods:

a. Genomic DNA was extracted from the cell pellets provided by the customer.
b. Samples, together with positive and negative control were amplified using GenePrint System (Promega).
c. Amplified products were processed using the ABI3730xl Genetic Analyzer.
d. Data was analyzed by GeneMapper4.0 software and then compared with the ATCC, DSMZ or JCRB databases for reference matching.

3. Results:

STR profile

Marker	**Sample**				**Database**		
	Allele1	**Allele2**	**Allele3**	**Allele4**	**Allele1**	**Allele2**	**Allele3**
D5S818	11	12			11	12	
D13S317	9	9			9	9	
D7S820	11	13			11	13	
D16S539	14	14			14	14	
VWA	16	17			16	17	
TH01	9.3	9.3			9.3	9.3	
AMEL	X	X			X	X	
TPOX	11	12			11	12	
CSF1PO	10	12			10	12	
D12S391	20	24					
FGA	20	22					
D2S1338	17	24					
D21S11	32.2	33.2					
D18S51	14	15					
D8S1179	13	14					
D3S1358	14	14					
D6S1043	11	12					
PENTAE	7	14					
D19S433	12	14					
PENTAD	9	9					
D1S1656	12	16.3					

4. Conclusion

A． The STR results show that there are no four alleles on the main nine locus, there is certainly no cross contamination of human cells in this cell line.

B． The match percent between the sample and the STR database profile is **<u>100%</u>**, the cell name is **<u>SK-N-AS.</u>**

Similarity	Cell line	Source	Shared	D5S818	D7S820	D13S317	D16S539	vWA	TH01	TPOX	CSF1PO	Amelogenin
		Your query		11, 12	11, 13	9, 9	14, 14	16, 17	9.3, 9.3	11, 12	10, 12	X, X
100 %	SK-N-AS	CRL-2137	9	11, 12	11, 13	9, 9	14, 14	16, 17	9.3, 9.3	11, 12	10, 12	X, X

Note:

1. The STR profile data was compared with the ATCC, DSMZ or JCRB databases, if the cell line is not included in the three institutions, the results are not correct. More information you provided would be useful for Cell Line Authentication.
2. Based on the ANSI Standard, cell lines with 100% match are considered to be “identical”; cell lines with ≥80% but less than 100% match are considered to be “related”.

Operator：Xiaomei Liu, Qin Wang

Leader：Wei Zhou

Date：2024-09-01