O UBIGENE **STR Authentication Report For Cell Line**

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1. Cell Name: Neuro-2a

2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 20- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.

	Genoty	pe analysis	results of ST	TR and Amel	ogenin loci	in cells	OP
			or Sample cel	STR profile for Cell Bank cell Cell name: Neuro-2a			
STR Loci		Cell name:	: Neuro-2a				
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
18-3	22.0			IBIGE.	22.0	23.0	
4-2	21.3	22.3			21.3	22.3	
6-7	12.0				12.0		UBIGE
19-2	12.0				12.0	(-1)	0
1-2	17.0	18.0			17.0	18.0	
7-1	25.2				25.2		
8-1	16.0	17.0			16.0	17.0	
1-1	11.0			CEN	11.0		
3-2	13.0	14.0		JBIO	12.0	13.0	14.0
2-1	16.0				16.0		~E'
15-3	21.3	22.3	23.3		21.3	22.3	23.3
6-4	18.0	20.0			18.0	20.0	
13-1	16.2	17.2			16.2	17.2	
11-2	15.0				15.0		
17-2	16.0				16.0		
12-1	16.0			EN	16.0		
5-5	15.0	17.0		BIGE	15.0	17.0	



X-1	26.0	27.0		26.0	27.0	
TH01						
D5S818			CENT			

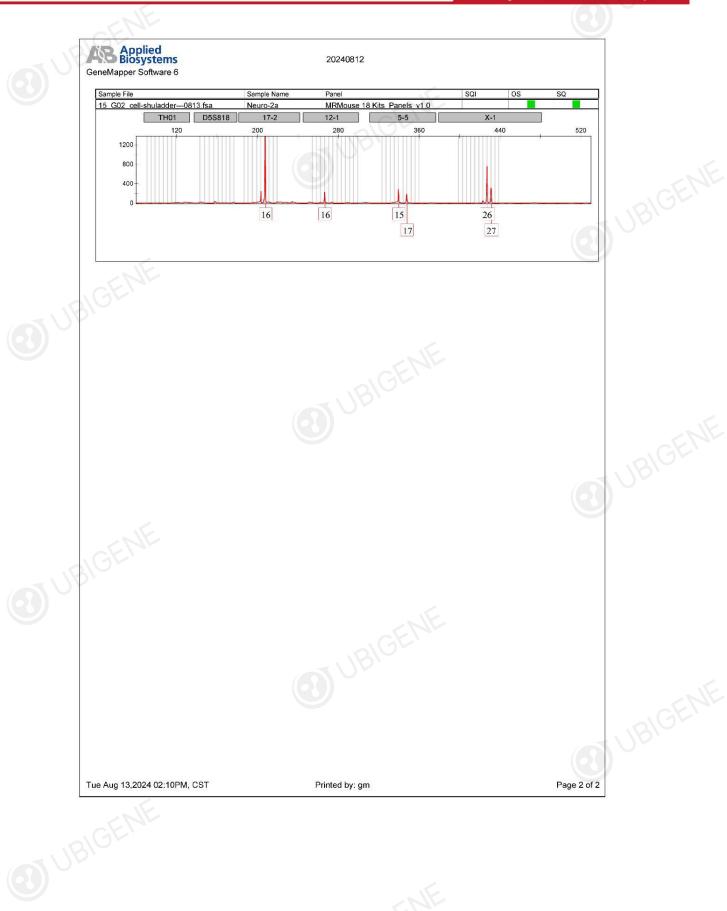
Note: The cell lines were compared with the STR data of cell lines from ATCC, DSMZ, JCRB and RIKEN databases, the cell lines not included in the above cell banks could not be matched. D4S2408 and TH01 in the above sites is a human site, which is used to detect whether the cell is contaminated by human sources.

4. Conclusion: This cell line is identified as a mouse cell line. The STR results of Neuro-2a cells are consistent with the genotypes of Neuro-2a cell lines in EXPASY database, the cell ID corresponded to CVCL_0470, and the STR results basically matched. In the test, Multiple alleles were found, no cross-contamination, no human contamination in this cell line.

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5. Attached Image





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