

STR Authentication Report For Cell Line

1. Cell Name: NUGC4

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 results of STR and Amelogenin loci in cells						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: STR24091215			Cell name: NUGC-4		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	13		11	13	
D7S820	11	11		11	11	
D16S539	9	9		9	9	
VWA	14	18		14	18	
TH01	7	9		7	9	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	10	11		10	11	
D12S391	19	20				
FGA	23	26				
D2S1338	23	23				
D21S11	31	31				
D18S51	16	19				
D8S1179	12	12				

D3S1358	15	16				
D6S1043	15	18				
PENTAE	13	15				
D19S433	13	13.2				
PENTAD	9	12				
D1S1656	12	16				

4. Conclusion: The STR results of **NUGC4** cells are consistent with the genotypes of **NUGC4** cell lines in **ATCC** database, the cell ID corresponded to **JCRB0834** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

