

STR Authentication Report For Cell Line

1. Cell Name: SNU-638

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: STR25031411			Cell name: SNU-638		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	13	14.0	10	14	
D13S317	10	10		10	10	
D7S820	9	10		9	10	
D16S539	11	13		11	13	
VWA	14	19		14	19	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	10	12		10	12	
D12S391	16	17	20.0			
FGA	17	27				
D2S1338	18	22				
D21S11	30.2	31				
D18S51	14	16				
D8S1179	11	13				
D3S1358	15	15				
D6S1043	12	18				

PENTAE	14	18				
D19S433	11	14				
PENTAD	9	9				
D1S1656	14	14				

4. Conclusion: The STR results of **SNU-638** cells are consistent with the genotypes of **SNU-638** cell lines in **DSMZ** database, the cell ID corresponded to **KCLB-Korea-638**, and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

