

## STR Authentication Report For Cell Line

1. Cell Name: SK-NEP-1

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: STR25030706			Cell name: SK-NEP-1		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13		13	13	
D13S317	11	11		11	11	
D7S820	8	10		8	10	
D16S539	11	11		11	11	
VWA	15	19		15	19	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	10	10		10	10	
D12S391	17	18				
FGA	24	24				
D2S1338	19	20				
D21S11	29	31				
D18S51	15	17				
D8S1179	12	12				

D3S1358	14	15				
D6S1043	11	20				
PENTAE	7	18				
D19S433	12	14				
PENTAD	11	12				
D1S1656	15	15				

4. Conclusion: The STR results of **SK-NEP-1** cells are consistent with the genotypes of **SK-NEP-1** cell lines in **DSMZ** database, the cell ID corresponded to **Brohl-et-al.:PLOS-Genetics-(2014) Vol. 30** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

### 5. Attached Image

