

CELL LINE INFORMATION			
EdiGene Catalog#	CL0046099004A		
Cell Line	ABCF2 knockout cell lysate		
Parental Cell Line	HEK293T	Editing Tool	CRISPR/Cas9
Organism	Homo sapiens	Total Cells	1×10 <sup>6</sup> cells
Medium	DMEM (High Glucose) +10% FBS	Volume	1mL
Subcultivation	A subcultivation ratio of 1:4-1:6 is recommended.		
Freeze Medium	Cryopreservative medium (Serum free)		
Storage Conditions	Liquid nitrogen		
Shipping Conditions	Dry ice, less than -50°C		

GENE CHARACTERIZATION			
Target Gene	ABCF2	Mutation	5 bp deletion in exon 2; 1 bp insertion in exon 2
Synonyms	ABC28; HUSSY18; HUSSY-18; EST133090		

TEST	TEST METHODS	RESULT
Viability	Post thawing culture	75%
Passage number	Regular cell culture	50
Total cells/vial	Used Trypan Blue stain method	>10 <sup>6</sup> cells/vial
Growth properties	Visual observation method	Adherent
Cell Type	Visual observation method	Epithelial-like
Mycoplasma	PCR and/or cell-based colorimetric assay	Free
Knockout(KO) validation	Sanger Sequencing	100% KO
Short Tandem Repeat (STR) Analysis	Microread Inc. STR analysis	Amelogenin X D5S818: 8, 9 D13S317: 12, 14 D7S820: 11 D16S539: 9, 13 vWA: 16, 19 TH01: 7, 9.3 TPOX: 11 CSF1PO: 11, 12
Resistant	Puromycin (1 μg/mL)	Pass

### QUALITY ASSURANCE

EdiGene hereby represents and warrants that the material provided under this certificate is pure and has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and correct to the best of the company's knowledge. The product is to be used for research use only. It is not intended for use in human, animals, or for diagnostics. Appropriate Biosafety Level (BSL) practices should always be applied with this material. Refer to the Product Information Sheet for instructions on the correct use of this product.

EdiGene products may not be resold, modified for resale, used to provide commercial services, or to manufacture commercial products without prior written agreement from EdiGene.

The EdiGene trademark and trade name are owned by the EdiGene Inc..

### REFERENCES

N/A