ExpressCells

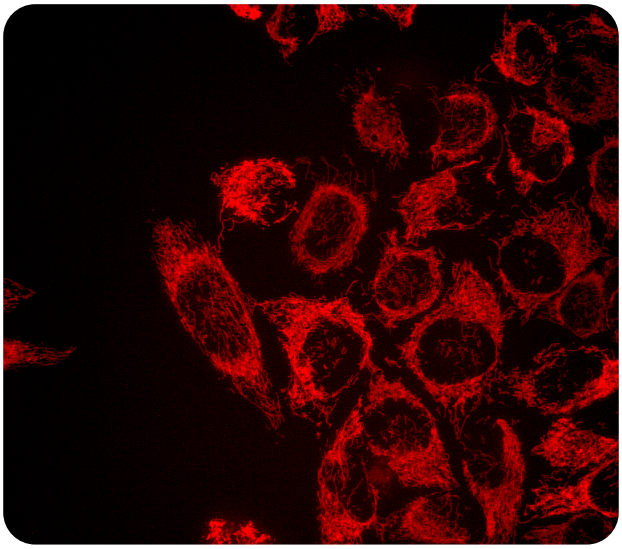
info@xpresscells.comwww.
xpresscells.com

CUSTOM CELL LINE SERVICES AVAILABLE
UP TO 3 KNOCK-INS IN A SINGLE CELL LINE

TOM20

Gene-tagged cell line (HeLa)

Catalog no: EXP-003



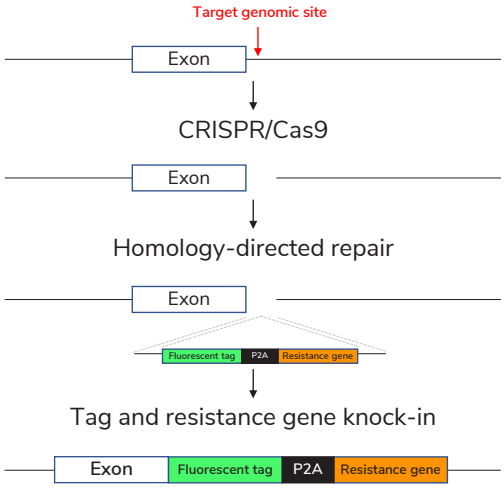
Cell type:	HeLa
Gene symbol:	TOMM20
NCBI gene ID:	9804
Protein:	TOM20
Subcellular location:	Mitochondria
Modification:	C-terminal mRuby3
Excitation / Emission (nm):	558 / 592
Antibiotic resistance:	Zeocin™
Population type:	Heterozygous

Protein summary from UniProt

Central component of the receptor complex responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with TOM22 functions as the transit peptide receptor at the surface of the mitochondrion outer membrane and facilitates the movement of preproteins into the translocation pore.

ExpressCells' FAST-HDR knock-in technology

ExpressCells uses CRISPR and FAST-HDR vector technology to knock-in fluorescent, luminescent, or other tags at the C-terminus of endogenous genes. The non-viral FAST-HDR system enables rapid labeling of up to three proteins of interest in a single mammalian cell line.



Handling

Culture medium: Dulbecco's Modified Eagle Medium (DMEM), high glucose supplemented with 10% fetal bovine serum (FBS) and penicillin/streptomycin to prevent bacterial contamination.
Thawing: Transfer the frozen tube to a 37° C water bath and let contents thaw. Transfer tube contents to 10 mL of prewarmed medium in a biosafety hood and centrifuge at 200 × g for 5 min. Resuspend the pellet in 5 mL of medium and transfer to a mammalian cell culture flask.
Safety: Biosafety level 2.

References

1. UniProtKB [database online]. A8Y3V5 (TOM20_CAEBR). https://www.uniprot.org/uniprot/A8Y3V5 Accessed March 18, 2020.
2. Perez-Leal O, Nixon-Abell J, Barrero CA, Gordon J, Rico MC. A versatile vector system for the fast generation of knock-in cell lines with CRISPR [preprint published online February 6 2020]. *bioRxiv*. doi: 10.1101/2020.02.06.927384.

For research use only.

U.S. Patent #10,883,120