

HK-2xZFN-mEGFP-Nup107 | 300676

Product information

Description

HK-2xZFN-mEGFP-Nup107 is a ZFN library targeting the NUP107 gene in HeLa Kyoto cells. The library consists of two ZFNs flanking a mEGFP-Nup107 donor template. The ZFNs are designed to create a double-strand break in the NUP107 gene, which is then repaired using the mEGFP-Nup107 donor template. The resulting cells express a functional mEGFP-Nup107 protein. The NUP107 gene is located on chromosome 10 and encodes a protein that is a component of the nuclear pore complex (NPC). The mEGFP-Nup107 protein is a fusion of the mEGFP protein and the NUP107 protein. The mEGFP protein is a modified enhanced green fluorescent protein (EGFP) that is expressed under the control of a constitutive promoter. The NUP107 protein is a nuclear pore protein that is essential for the formation and function of the NPC. The mEGFP-Nup107 protein is expressed in HeLa Kyoto cells and is localized to the NPC. The mEGFP-Nup107 protein is a functional NPC component and is essential for the formation and function of the NPC. The mEGFP-Nup107 protein is a fusion of the mEGFP protein and the NUP107 protein. The mEGFP protein is a modified enhanced green fluorescent protein (EGFP) that is expressed under the control of a constitutive promoter. The NUP107 protein is a nuclear pore protein that is essential for the formation and function of the NPC. The mEGFP-Nup107 protein is expressed in HeLa Kyoto cells and is localized to the NPC. The mEGFP-Nup107 protein is a functional NPC component and is essential for the formation and function of the NPC.

Organism HeLa

Tissue HeLa

Disease NUP107

Subject information

Age 30 years

Gender Male

Ethnicity European

Morphology Normal

Growth properties Stable

Library information

Citation HK-2xZFN-mEGFP-Nup107 (Cytion 300676)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_VL12

Depositor Cytion (EMBL)

