

## NFIL3 Knockout cell line (HCT 116)

**Catalog Number:** KO05050

| Product Information        |                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | NFIL3 Knockout cell line (HCT 116)                                                                                                                                          |
| specification              | 1*10 <sup>6</sup>                                                                                                                                                           |
| Storage and transportation | Dry ice preservation/T25 live cell transportation.                                                                                                                          |
| Cell morphology            | Epithelioid, adherent cell                                                                                                                                                  |
| Passage ratio              | 1:2~1:4                                                                                                                                                                     |
| species                    | Human                                                                                                                                                                       |
| Gene                       | NFIL3                                                                                                                                                                       |
| Gene ID                    | 4783                                                                                                                                                                        |
| Build method               | Electric rotation method / virus method                                                                                                                                     |
| Mycoplasma testing         | Negative                                                                                                                                                                    |
| Cultivation system         | 90%McCOYs 5A+10% FBS                                                                                                                                                        |
| Parental Cell Line         | HCT 116                                                                                                                                                                     |
| Quality Control            | Genotype: NFIL3 Knockout cell line (HCT 116) >95% viability before freezing. All cells were tested and found to be free of bacterial, viruses, mycoplasma and other toxins. |

| Gene Information        |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Official Full Name | nuclear factor, interleukin 3 regulatedprovided by HGNC                                                                                                                                                                                                                                                                                                                                                                   |
| Also known as           | E4BP4; IL3BP1; NFIL3A; NF-IL3A                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Description        | The protein encoded by this gene is a transcriptional regulator that binds as a homodimer to activating transcription factor (ATF) sites in many cellular and viral promoters. The encoded protein represses PER1 and PER2 expression and therefore plays a role in the regulation of circadian rhythm. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Feb 2014] |
| Expression              | Broad expression in bone marrow (RPKM 59.6), adrenal (RPKM 37.4) and 23 other tissues See more                                                                                                                                                                                                                                                                                                                            |