

## TFEB Knockout cell line(L-02)

Catalog Number: KO00933

| Product Information        |                                                                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | TFEB Knockout cell line(L-02)                                                                                                                                          |
| 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                       | TFEB                                                                                                                                                                   |
| Gene ID                    | 7942                                                                                                                                                                   |
| Build method               | Electric rotation method / virus method                                                                                                                                |
| Mycoplasma testing         | Negative                                                                                                                                                               |
| Cultivation system         | 80% RPMI-1640+20% FBS                                                                                                                                                  |
| Parental Cell Line         | L-02                                                                                                                                                                   |
| Quality Control            | Genotype: TFEB Knockout cell line(L-02) >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 | transcription factor EBprovided by HGNC                                                                                                                                                                                                                                                                                                                                                                                              |
| Also known as           | TCFEB; BHLHE35; ALPHATFEB                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Description        | Enables DNA-binding transcription factor activity; enzyme binding activity; and transcription cis-regulatory region binding activity. Involved in several processes, including antibacterial innate immune response; cellular response to amino acid starvation; and positive regulation of metabolic process. Located in cytosol and lysosomal membrane. Is active in nucleus. [provided by Alliance of Genome Resources, Apr 2025] |
| Expression              | Ubiquitous expression in spleen (RPKM 9.7), lymph node (RPKM 8.3) and 25 other tissues See more                                                                                                                                                                                                                                                                                                                                      |