

## SPG7 Knockout cell line (HeLa)

**Catalog Number:** KO13794

| Product Information        |                                                                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | SPG7 Knockout cell line (HeLa)                                                                                                                                          |
| specification              | 1*10 <sup>6</sup>                                                                                                                                                       |
| Storage and transportation | Dry ice preservation/T25 live cell transportation.                                                                                                                      |
| Cell morphology            | Epithelioid, adherent cell                                                                                                                                              |
| Passage ratio              | 1:3~1:6                                                                                                                                                                 |
| species                    | Human                                                                                                                                                                   |
| Gene                       | SPG7                                                                                                                                                                    |
| Gene ID                    | 6687                                                                                                                                                                    |
| Build method               | Electric rotation method / virus method                                                                                                                                 |
| Mycoplasma testing         | Negative                                                                                                                                                                |
| Cultivation system         | 90%DMEM+10% FBS                                                                                                                                                         |
| Parental Cell Line         | HeLa                                                                                                                                                                    |
| Quality Control            | Genotype: SPG7 Knockout cell line (HeLa) >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 | SPG7 matrix AAA peptidase subunit, paraplegin provided by HGNC                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Also known as           | CAR; PGN; CMAR; SPG5C                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Description        | This gene encodes a mitochondrial metalloprotease protein that is a member of the AAA family. Members of this protein family share an ATPase domain and have roles in diverse cellular processes including membrane trafficking, intracellular motility, organelle biogenesis, protein folding, and proteolysis. Mutations in this gene cause autosomal recessive spastic paraplegia 7. Two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Mar 2014] |
| Expression              | Ubiquitous expression in thyroid (RPKM 11.5), skin (RPKM 10.1) and 25 other tissues See more                                                                                                                                                                                                                                                                                                                                                                                                    |