

## RHOG Knockout cell line (HCT 116)

Catalog Number: KO07339

| Product Information        |                                                                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | RHOG 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                       | RHOG                                                                                                                                                                       |
| Gene ID                    | 391                                                                                                                                                                        |
| 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: RHOG 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 | ras homolog family member Gprovided by HGNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Also known as           | ARHG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Description        | This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The encoded protein facilitates translocation of a functional guanine nucleotide exchange factor (GEF) complex from the cytoplasm to the plasma membrane where ras-related C3 botulinum toxin substrate 1 is activated to promote lamellipodium formation and cell migration. Two related pseudogene have been identified on chromosomes 20 and X. [provided by RefSeq, Aug 2011] |
| Expression              | Broad expression in bone marrow (RPKM 74.8), spleen (RPKM 41.3) and 24 other tissues See more                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |