

## CDC42EP2 Knockout cell line (HCT 116)

Catalog Number: KO31877

| Product Information        |                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | CDC42EP2 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                       | CDC42EP2                                                                                                                                                                       |
| Gene ID                    | 10435                                                                                                                                                                          |
| 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: CDC42EP2 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 | CDC42 effector protein 2provided by HGNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Also known as           | CEP2; BORG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Description        | <p>CDC42, a small Rho GTPase, regulates the formation of F-actin-containing structures through its interaction with the downstream effector proteins. The protein encoded by this gene is a member of the Borg family of CDC42 effector proteins. Borg family proteins contain a CRIB (Cdc42/Rac interactive-binding) domain. They bind to, and negatively regulate the function of CDC42.</p> <p>Coexpression of this protein with CDC42 suggested a role of this protein in actin filament assembly and cell shape control. [provided by RefSeq, Aug 2011]</p> |
| Expression              | Ubiquitous expression in fat (RPKM 13.9), gall bladder (RPKM 10.2) and 23 other tissues See more                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |