

## DHDH Knockout cell line (A549)

Catalog Number: KO01778

| Product Information        |                                                                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | DHDH Knockout cell line (A549)                                                                                                                                          |
| specification              | 1*10 <sup>6</sup>                                                                                                                                                       |
| Storage and transportation | Dry ice preservation/T25 live cell transportation.                                                                                                                      |
| Cell morphology            | Epithelioid, adherent cell                                                                                                                                              |
| Passage ratio              | 1:3~1:4                                                                                                                                                                 |
| species                    | Human                                                                                                                                                                   |
| Gene                       | DHDH                                                                                                                                                                    |
| Gene ID                    | 27294                                                                                                                                                                   |
| Build method               | Electric rotation method / virus method                                                                                                                                 |
| Mycoplasma testing         | Negative                                                                                                                                                                |
| Cultivation system         | 90% F12K+10% FBS                                                                                                                                                        |
| Parental Cell Line         | A549                                                                                                                                                                    |
| Quality Control            | Genotype: DHDH Knockout cell line (A549) >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 | dihydrodiol dehydrogenase provided by HGNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Also known as           | 2DD; HUM2DD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Description        | This gene encodes an enzyme that belongs to the family of dihydrodiol dehydrogenases, which exist in multiple forms in mammalian tissues and are involved in the metabolism of xenobiotics and sugars. These enzymes catalyze the NADP1-linked oxidation of transdihydrodiols of aromatic hydrocarbons to corresponding catechols. This enzyme is a dimeric dihydrodiol dehydrogenase, and it differs from monomeric dihydrodiol dehydrogenases in its high substrate specificity for trans-dihydrodiols of aromatic hydrocarbons in the oxidative direction. [provided by RefSeq, Jul 2008] |
| Expression              | Biased expression in kidney (RPKM 7.4), small intestine (RPKM 4.3) and 5 other tissues See more                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |