

## BCAM Knockout cell line (HCT 116)

Catalog Number: KO36757

### Product Information

|                            |                                                                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | BCAM 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                       | BCAM                                                                                                                                                                       |
| Gene ID                    | 4059                                                                                                                                                                       |
| 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: BCAM 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

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| Gene Official Full Name | basal cell adhesion molecule (Lutheran blood group)provided by HGNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Also known as           | AU; LU; B-CAM; CD239; MSK19; F8/G253                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Description        | <p>This gene encodes Lutheran blood group glycoprotein, a member of the immunoglobulin superfamily and a receptor for the extracellular matrix protein, laminin. The protein contains five extracellular immunoglobulin domains, a single transmembrane domain, and a short C-terminal cytoplasmic tail. This protein may play a role in epithelial cell cancer and in vaso-occlusion of red blood cells in sickle cell disease. Polymorphisms in this gene define some of the antigens in the Lutheran system and also the Auberger system. Inactivating variants of this gene result in the recessive Lutheran null phenotype, Lu(a-b-), of the Lutheran blood group. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]</p> |
| Expression              | Broad expression in kidney (RPKM 99.8), prostate (RPKM 62.6) and 19 other tissues See more                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |