

## Product datasheet for **TG300655**

### ULBP2 Human shRNA Plasmid Kit (Locus ID 80328)

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | shRNA Plasmids   |
| Product Name:             | ULBP2 Human shRNA Plasmid Kit (Locus ID 80328)   |
| Locus ID:                 | 80328  |
| Synonyms:                 | ALCAN-alpha; N2DL2; NKG2DL2; RAET1H; RAET1L  |
| Vector:                   | pGFP-V-RS (TR30007)  |
| E. coli Selection:        | Kanamycin  |
| Mammalian Cell Selection: | Puromycin  |
| Format:                   | Retroviral plasmids  |
| Components:               | ULBP2 - Human, 4 unique 29mer shRNA constructs in retroviral GFP vector(Gene ID = 80328).<br>5µg purified plasmid DNA per construct<br>29-mer scrambled shRNA cassette in pGFP-V-RS Vector, TR30013, included for free.  |
| RefSeq:                   | <a href="#">NM_025217</a> , <a href="#">NM_025217.1</a> , <a href="#">NM_025217.2</a> , <a href="#">NM_025217.3</a> , <a href="#">BC034689</a> , <a href="#">BC034689.1</a>  |
| UniProt ID:               | <a href="#">Q9BZM5</a>   |
| Summary:                  | This gene encodes a major histocompatibility complex (MHC) class I-related molecule that binds to the NKG2D receptor on natural killer (NK) cells to trigger release of multiple cytokines and chemokines that in turn contribute to the recruitment and activation of NK cells. The encoded protein undergoes further processing to generate the mature protein that is either anchored to membrane via a glycosylphosphatidylinositol moiety, or secreted. Many malignant cells secrete the encoded protein to evade immunosurveillance by NK cells. This gene is located in a cluster of multiple MHC class I-related genes on chromosome 6. [provided by RefSeq, Jul 2015] |
| shRNA Design:             | These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .   |



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**Performance  
Guaranteed:**

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at [techsupport@origene.com](mailto:techsupport@origene.com). Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).