

## Human CD82 Knockdown Cell Lysate

**Cat. No.** CD82-476HKCL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WB-validated CD82 Knockdown HT-1080 Cell Lysate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HT-1080                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | <p>This metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression of this gene has been shown to be downregulated in tumor progression of human cancers and can be activated by p53 through a consensus binding sequence in the promoter. Its expression and that of p53 are strongly correlated, and the loss of expression of these two proteins is associated with poor survival for prostate cancer patients. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.</p> |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 30 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Notes</b>            | <p>Instruction of use: This knockdown cell lysate should be paired with wild-type HT-1080 cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.</p>                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -20 centigrade for two years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|-------------------------|--------------------------------------------------------------------------------------|
| <b>Concentration</b>    | Lot-specific                                                                         |
| <b>Shipping</b>         | Blue Ice                                                                             |
| <b>Components</b>       | 1 vial of 100 µg WT HT-1080 cell lysate 1 vial of 100 µg CD82 KD HT-1080 cell lysate |
| <b>Protein Families</b> | Druggable Genome, Transmembrane                                                      |
| <b>Protein Pathways</b> | p53 signaling pathway                                                                |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)                                                       |

## GENE INFORMATION

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| <b>Gene Name</b>       | CD82 CD82 molecule [ Homo sapiens (human) ]                             |
| <b>Official Symbol</b> | CD82                                                                    |
| <b>Synonyms</b>        | CD82; CD82 molecule; R2; 4F9; C33; IA4; ST6; GR15; KAI1; SAR2; TSPAN27; |
| <b>Gene ID</b>         | 3732                                                                    |
| <b>mRNA Refseq</b>     | NM_002231                                                               |
| <b>Protein Refseq</b>  | NP_002222                                                               |
| <b>MIM</b>             | 600623                                                                  |
| <b>UniProt ID</b>      | P27701                                                                  |

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