

# Human SORT1 Knockdown Cell Lysate

**Cat. No.** SORT1-493HKCL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | WB-validated SORT1 Knockdown HT-1080 Cell Lysate  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HT-1080   |
| <b>Description</b>      | <p>This gene encodes a member of the VPS10-related sortilin family of proteins. The encoded preproprotein is proteolytically processed by furin to generate the mature receptor. This receptor plays a role in the trafficking of different proteins to either the cell surface, or subcellular compartments such as lysosomes and endosomes. Expression levels of this gene may influence the risk of myocardial infarction in human patients. Alternative splicing results in multiple transcript variants.</p> |
| <b>Form</b>             | Cell-Tissue Lysis buffer  |
| <b>Molecular Mass</b>   | 92 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.  |
| <b>Concentration</b>    | Lot-specific  |

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|                         |   |
|-------------------------|---|
| <b>Shipping</b>         | Blue Ice  |
| <b>Components</b>       | 1 vial of 100 µg WT HT-1080 cell lysate 1 vial of 100 µg SORT1 KD HT-1080 cell lysate |
| <b>Protein Families</b> | Druggable Genome, Transmembrane   |
| <b>Protein Pathways</b> | Lysosome, Neurotrophin signaling pathway  |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)  |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | <a href="#">SORT1 sortilin 1 [ Homo sapiens (human) ]</a>   |
| <b>Official Symbol</b> | <a href="#">SORT1</a>   |
| <b>Synonyms</b>        | SORT1; sortilin 1; sortilin; Gp95; NT3; NTR3; glycoprotein 95; 100 kDa NT receptor; neurotensin receptor 3; LDLCQ6; |
| <b>Gene ID</b>         | <a href="#">6272</a>  |
| <b>mRNA Refseq</b>     | <a href="#">NM_001205228</a>  |
| <b>Protein Refseq</b>  | <a href="#">NP_001192157</a>  |
| <b>MIM</b>             | <a href="#">602458</a>  |
| <b>UniProt ID</b>      | <a href="#">Q99523</a>  |

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