

## Recombinant Human HERC4, GST-tagged

**Cat. No.** HERC4-13739H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human HERC4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 723-1049a.a.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | HERC4 belongs to the HERC family of ubiquitin ligases, all of which contain a HECT domain and at least 1 RCC1 (MIM 179710)-like domain (RLD). The 350-amino acid HECT domain is predicted to catalyze the formation of a thioester with ubiquitin before transferring it to a substrate, and the RLD is predicted to act as a guanine nucleotide exchange factor for small G proteins (Hochrainer et al., 2005 [PubMed 15676274]). |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                                                                                                                                  |

### GENE INFORMATION

|                  |                                                                           |
|------------------|---------------------------------------------------------------------------|
| <b>Gene Name</b> | HERC4 HECT and RLD domain containing E3 ubiquitin protein ligase 4 [ Homo |
|------------------|---------------------------------------------------------------------------|

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|                            |                                                                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | <a href="#">sapiens ]</a>                                                                                                                                                                                                            |
| <b>Official Symbol</b>     | HERC4                                                                                                                                                                                                                                |
| <b>Synonyms</b>            | HERC4; HECT and RLD domain containing E3 ubiquitin protein ligase 4; hect domain and RLD 4; probable E3 ubiquitin-protein ligase HERC4; DKFZP564G092; KIAA1593; HECT domain and RCC1-like domain-containing protein 4; DKFZp564G092; |
| <b>Gene ID</b>             | <a href="#">26091</a>                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | <a href="#">NM_015601</a>                                                                                                                                                                                                            |
| <b>Protein Refseq</b>      | <a href="#">NP_056416</a>                                                                                                                                                                                                            |
| <b>MIM</b>                 | <a href="#">609248</a>                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | <a href="#">Q5GLZ8</a>                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | 10                                                                                                                                                                                                                                   |
| <b>Pathway</b>             | Ubiquitin mediated proteolysis, organism-specific biosystem; Ubiquitin mediated proteolysis, conserved biosystem;                                                                                                                    |
| <b>Function</b>            | acid-amino acid ligase activity; ligase activity; ubiquitin-protein ligase activity;                                                                                                                                                 |

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