

## Recombinant Human SUMO2 cell lysate

Cat. No. SUMO2-1722HCL    Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Species        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Description    | <p>This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier) protein family. It functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. It is not active until the last two amino acids of the carboxy-terminus have been cleaved off. Numerous pseudogenes have been reported for this gene. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.</p> |
| Size           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Storage Buffer | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applications   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### GENE INFORMATION

|           |                                                                                               |
|-----------|-----------------------------------------------------------------------------------------------|
| Gene Name | SUMO2 SMT3 suppressor of mif two 3 homolog 2 ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> ] |
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| <b>Official Symbol</b>     | SUMO2                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>            | SUMO2; SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae); SMT3 (suppressor of mif two 3, yeast) homolog 2 , SMT3 suppressor of mif two 3 homolog 2 (yeast) , SMT3H2; small ubiquitin-related modifier 2; SMT3B; sentrin 2; SMT3 homolog 2; ubiquitin-like protein SMT3A; ubiquitin-like protein SMT3B; small ubiquitin-like modifier 2; HSMT3; SUMO3; Smt3A; SMT3H2; MGC117191; |
| <b>Gene ID</b>             | <a href="#">6613</a>                                                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>         | <a href="#">NM_001005849</a>                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>      | <a href="#">NP_001005849</a>                                                                                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>                 | <a href="#">603042</a>                                                                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | <a href="#">P61956</a>                                                                                                                                                                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | 17q25                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Pathway</b>             | Glucocorticoid receptor regulatory network, organism-specific biosystem; Nuclear pore complex, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem;                                                                                                              |
| <b>Function</b>            | protein binding; ubiquitin protein ligase binding;                                                                                                                                                                                                                                                                                                                                   |