

# Active Recombinant Human SUMO3

**Cat. No.** SUMO3-584H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Recombinant Human SUMO3 (Accession # NM_006936) was produced in E. coli-derived.                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | X mg/ml (X $\mu$ M) in 50 mM Hepes pH 8, 100 mM NaCl.                                                                                                                                                                                                                                                                                                                                          |
| <b>Bio-activity</b>     | Recombinant Human SUMO3 Rhodamine is ideal for use in assays requiring fluorescent detection. Optimal fluorescence at pH 8.0 is monitored with an excitation wavelength of 570 nM and an emission wavelength of 590 nM. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human SUMO3 Rhodamine concentration of 0.1-1 $\mu$ M. |
| <b>Purity</b>           | >95%, by PAGE.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>          | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).                                                                                                                                                                                                  |

## GENE INFORMATION

|                  |                                                                                               |
|------------------|-----------------------------------------------------------------------------------------------|
| <b>Gene Name</b> | SUMO3 SMT3 suppressor of mif two 3 homolog 3 ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> ] |
|------------------|-----------------------------------------------------------------------------------------------|

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | SUMO3                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>            | SUMO3; SMT3 suppressor of mif two 3 homolog 3 (S. cerevisiae); SMT3 (suppressor of mif two 3, yeast) homolog 1 , SMT3 suppressor of mif two 3 homolog 3 (yeast) , SMT3H1; small ubiquitin-related modifier 3; SMT3A; SUMO-2; SMT3 homolog 1; ubiquitin-like protein SMT3A; ubiquitin-like protein SMT3B; SMT3 suppressor of mif two 3 homolog 1; Smt3B; SMT3H1; SUMO-3; |
| <b>Gene ID</b>             | <a href="#">6612</a>                                                                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>         | <a href="#">NM_006936</a>                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | <a href="#">NP_008867</a>                                                                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>                 | <a href="#">602231</a>                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>          | P55854                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | 21q22.3                                                                                                                                                                                                                                                                                                                                                                 |

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