

[Open Peer Review on Qeios](#)

# E3 SUMO-Protein Ligase NSE2

National Cancer Institute

## Source

National Cancer Institute. *E3 SUMO-Protein Ligase NSE2*. NCI Thesaurus. Code C131565.

E3 SUMO-protein ligase NSE2 (247 aa, ~28 kDa) is encoded by the human NSMCE2 gene. This protein plays a role in DNA double-strand break repair by homologous recombination, the prevention of DNA damage-induced apoptosis, and the sumoylation of protein substrates.