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MATERIAL DATA SHEET

Recombinant Human RNF4
Cat. # E3-210

RNF4 (small nuclear ring finger protein, SNURF) is a RING-finger ubiquitin E3 ligase that ubiquitinates and mediates the proteasomal destruction of targets such as PML, PEA3, CENP1, and PARP1. In addition to the RING domain, RNF4 contains four SUMO-interacting motifs (SIMs) that function to recruit this ligase to poly-sumoylated substrates. RNF4 will autoubiquitinate in vitro, and will also ubiquitinate poly-SUMO chains.

Product Information	
Quantity:	50 µg
MW:	22 kDa
Source:	*E. coli*-derived Accession # P78317
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 8.0, 200 mM NaCl, 5 mM DTT
Purity:	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.

Use & Storage	
Use:	Recombinant Human RNF4 is a Ubiquitin ligase (E3) that functions downstream of a Ubiquitin-activating (E1) enzyme and a Ubiquitin-conjugating (E2) enzyme to conjugate Ubiquitin to substrate proteins. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human RNF4 concentration of 100-500 nM.
Storage:	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 12 months from date of receipt, -70 °C as supplied. • 3 months, -70 °C under sterile conditions after opening.

Literature

References:

1. Geoffroy, M-C et al. (2010) Mol. Bio. Cell **21**: 4227
2. Tathum, M.H. et al. (2008) Nat. Cell Bio. **10**: 538

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