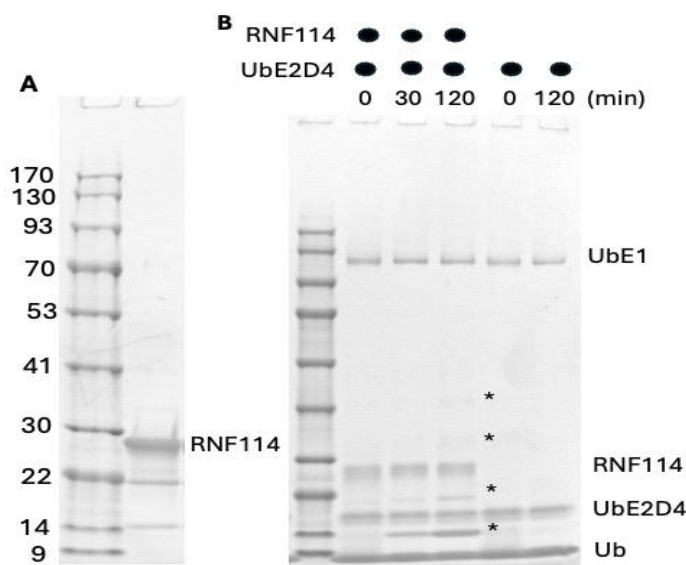


6xHIS-RNF114

Cat. # K2030

Also Known as: RING finger protein 114, Zinc finger protein 228, Zinc finger protein 313
UniProt Accession: Q9Y508
MW: 28 kDa with His tag
Species: Human
Source: Bacterial recombinant
Tag: N-Terminal 6xHIS
Stock Buffer: 20 mM Tris, pH7.6 at 4 °C, 150 mM NaCl, 2 mM βME, 10% glycerol
Concentration: See tube label
Quality Assurance: ~85% purity based on SDS-PAGE; validated E3 Ub ligase activity.

Image



- A. 3 µg 6xHIS-RNF114 separated in a 4-12% Bis-Tris gel (Coomassie-stained).
 B. 6xHIS-RNF114 catalyzed polyubiquitin chain synthesis. The reaction contained 50 nM UbE1, 2 µM UbE2D4, 1 µM 6xHIS-RNF114, and 50 µM ubiquitin. Proteins were separated in a 4-12% Bis-Tris gel and Coomassie-stained. Polyubiquitin chains (marked with asterisks) were synthesized. RNF114 autoubiquitination was not evident in Coomassie staining.

Description: RNF114 is a RING-type E3 ubiquitin ligase that regulates cell cycle progression, immune responses, and DNA damage repair. Several substrates have been identified, including cyclin-dependent kinase inhibitors (such as p21, p27, and p57), A20 and PARP1. It is a binding target for small molecules (like nimbolide) with potentials in targeted protein degradation drug development.

Storage: Store at -80°C; avoid multiple freeze-thaw cycles.

Literature: 1. Middleton A. J. and Day C. L., (2025) The EMBO Journal, 44, 5921-23.