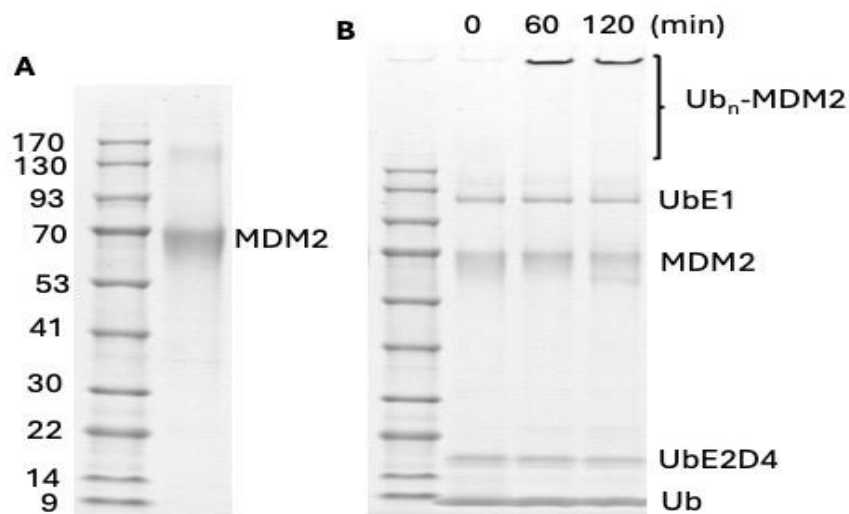


6xHIS-MDM2

Cat. # K2020

Also Known as: Human Double Minute 2, HDM2
UniProt Accession: Q00987
MW: 57.5 kDa with His tag. Shown at ~70 kDa in SDS-PAGE.
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-MDM2 separated in a 4-12% Bis-Tris gel (Coomassie-stained).
 B. 6xHIS-MDM2 autoubiquitination. The reaction contained 50 nM UbE1, 2 μM UbE2D4, 1 μM 6xHIS-MDM2, and 50 μM ubiquitin. Proteins were separated in a 4-12% Bis-Tris gel, visualized by Coomassie-staining.

Description: MDM2 (Mouse Double Minute 2) is a RING-type E3 ubiquitin ligase that serves as the primary negative regulator of the p53 tumor suppressor protein. It directly binds to the transactivation domain of p53 and promotes p53 polyubiquitination and proteasomal degradation. MDM2 plays a central role in controlling cell cycle progression, DNA repair, and apoptosis.

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

Literature: 1. Moll U.M., Petrenki O., (2003) Mol Cancer Res. 1(14), 1001-8.