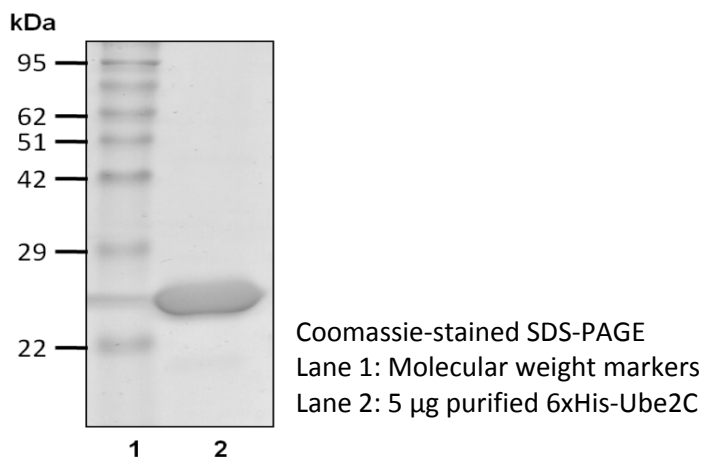


6xHis-Ube2C (UbcH10)

Cat. # C1300, C1301

Also Known as: UBCH10; dJ447F3.2
NCBI Reference: NM_007019
MW (no tag): 19.7 kDa
Species: Human
Source: Bacterial recombinant
Tag: 6xHis
Stock Buffer: 20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol
Concentration: See tube label
Quality Assurance: ~95% by SDS-PAGE

Image



Description: Ubch10 (Ubc2C) is an E2 enzyme, which is part of the E1, E2, and E3 cascade responsible for ubiquitination of protein substrates. It plays a major role in the mitosis in cell cycle by binding to the anaphase-promoting complex/cyclosome (APC/C), which causes autoubiquitination and degradation of Ubch10. This in turn stabilizes cyclin A, promoting cells enter into S phase. Ubch10 also promotes ubiquitination of many substrates of APC/C.

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

Note: N/A

Literature:

1. Hershko A, *et al.* (1994) J Biol Chem 269, 4940 – 4946.
2. Aristarkhov A, *et al.* (1996) Proc Natl Acad Sci USA 93(9), 4294 – 4299.
3. Rape M, *et al.* (2006) Cell. 124(1), 89 – 103.
4. Berlingieri MT, *et al.* (2007) Oncogene 26, 2136 – 2140.

