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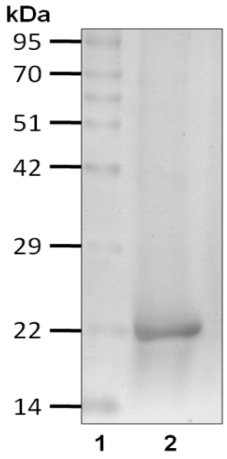
6xHis-Ube2E2 (UbcH8)

Cat. # C1900, C1901

Also Known as: UBCH8
NCBI Reference: NM_152653
MW (no tag): 22.3 kDa
Species: Human
Source: Bacterial recombinant
Tag: 6xHis
Stock Buffer: 20 mM Tris, 150 mM NaCl, 2 mM βME, 10% Glycerol
Concentration: See tube label
Quality Assurance: ~90% by SDS-PAGE

Image



Coomassie-stained SDS-PAGE
Lane 1: Molecular weight markers
Lane 2: 5 µg 6xHis-Ube2E2

Description: Ube2E2 is an E2 enzyme, which is part of the E1, E2, and E3 cascade responsible for ubiquitination of protein substrates. It shares 96% identical amino acid sequence with Ube2E1 and Ube2E3 with the exception of the N-terminal extension that has little in common with the other two E2s. Ube2E2 interacts with ARA54 and RNF8. The RNF8/ Ube2E2 interaction is found to catalyze K48-linked poly-ubiquitination. Ube2E2 may play a role in ubiquitination and subsequent proteasomal degradation of the E3 Ub ligase Parkin.

Storage: Store at -80°C; avoid multiple freeze-thaw cycles
Note: N/A
Literature:

1. Kimura M, *et al* . (1997) Cytogenet Cell Genet 78(2), 107 – 111.
2. Zhang Y, *et al* . (2000) Proc Natl Acad Sci USA 97(24), 13354 – 13359.
3. Ito K, *et al* . (2001) European Journal of Biochemistry 268, 2725–2732.
4. Lok GTM, *et al* . (2012) Nucleic Acids Res 40(1), 196-205.