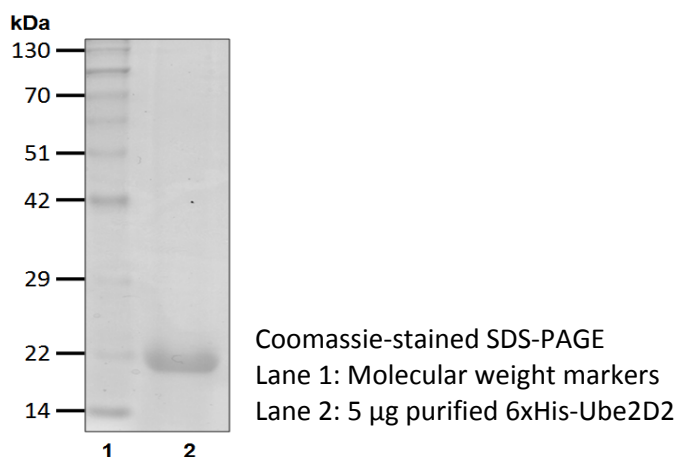


6xHis-Ube2D2 (UbcH5B)

Cat. # C1500, C1501

Also Known as: UBC4; PUBC1; UBC4/5; UBCH5B; E2(17)KB2
NCBI Reference: NM_003339
MW (no tag): 16.7 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:

Ube2D2 is an E2 enzyme, which is part of the E1, E2, and E3 cascade responsible for ubiquitination of protein substrates. Ube2D2 is 89% identical to the amino acid sequence of Ube2D1. Ube2D2 works with Mdm2 (an E3 ligase) to ubiquitinate and regulate protein levels of p53 and Mdm2. Ube2D2 has been linked to cadmium toxicity. It might also play a role in LDL cholesterol receptor ubiquitination in an Idol-dependent fashion.

Storage:

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

Note:

N/A

Literature:

1. Scheffner M, *et al.* (1994) Proc Natl Acad Sci USA 91, 8797–8801.
2. Jensen JP, *et al.* (1995) J Biol Chem 270(51), 30408 – 30414.
3. Saville MK, *et al.* (2004) J Biol Chem 279, 42169–42181.
4. Tokumoto M, *et al.* (2011) J Toxicol Sci 36(2), 191 – 200.
5. Zhang L, *et al.* (2011) Genes Dev 25, 1262–1274.