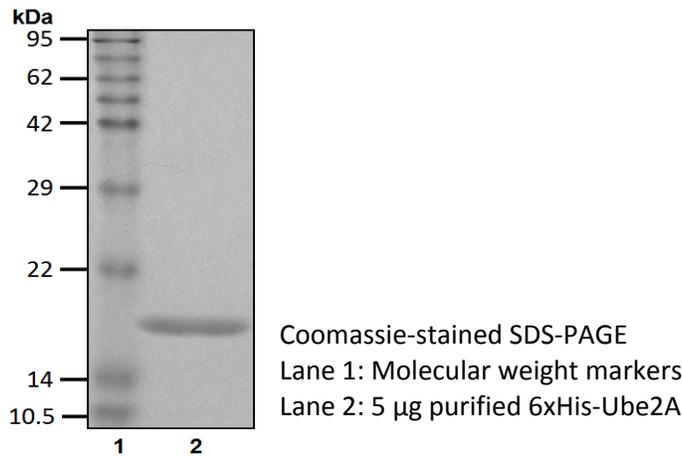


6xHis-Ube2A (Rad6A)

Cat. # C1100, C1101

Also Known as: UBC2; HHR6A; MRXSN; RAD6A; MRXS30
NCBI Reference: NM_003336
MW (no tag): 17.1 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: Ube2A is an E2 enzyme, which is part of the E1, E2, and E3 cascade responsible for ubiquitination of protein substrates. It shares 95% amino acid sequence identity with Ube2B. One function of Ube2A involves the formation of Ube2A/Rad18 (an E3 enzyme) complex to monoubiquitinate proliferating cell nuclear antigen (PCNA) thus activating it to repair DNA damage. Ube2A is an X – chromosomal gene. Mutations in Ube2A have been linked to intellectual disability (ID), severely impaired speech, amongst other symptoms.

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

Note: N/A

Literature:

1. Jentsch S, *et al.* (1987) Nature 329(6135), 131 – 134.
2. Koken MH, *et al.* (1991) Proc Natl Acad Sci USA 88(20), 8865 – 8869.
3. de Leeuw N, *et al.* (2010) Am J Med Genet A 152A(12), 3084 – 3090.
4. Hibbert RG, *et al.* (2011) Proc Natl Acad Sci USA 108, 5590–5595.

