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Recombinant Human Rad6 Protein (His Tag)

产品货号: TP04978

第三版

别名:HHR6A;MRXS30;MRXSN;RAD6A;UBC2

**描述:** Ubiquitin-conjugating enzyme E2 A (also known as HHR6A or UBE2A), encoded by human DNA repair genes HHR6A, belongs to the ubiquitin-conjugating enzymes (E2 enzymes) family and is likely to be involved in postreplication repair and induced mutagenesis. UBE2A is described as a CDK2 substrate. It is the human homologue of the product of the *Saccharomyces cerevisiae* RAD6 / UBC2 gene, a member of the family of ubiquitin-conjugating enzymes. In vivo, HHR6A phosphorylation peaks during the G2/M phase of cell cycle transition, with a concomitant increase in histone H2B ubiquitylation. Mutation of Ser120 to threonine or alanine abolished UBE2A activity, while mutation to aspartate to mimic phosphorylated serine increased UBE2A activity 3-fold. A mutation of UBE2A is considered as the cause of a novel X-linked mental retardation (XLMR) syndrome that affects three males in a two-generation family.

**配方:** PBS

**分子量:** 19.2 kDa

**序列:** Met 1-Cys 152

**纯度:** > 95% by HPLC

**浓度:**

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.