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UBE2K, 1-200aa, Human, His tag, E.coli

产品货号: TP04389

第三版

别名: Ubiquitin-conjugating enzyme E2 K isoform 1, HIP2, HYPG, LIG

描述: Ubiquitin-conjugating enzyme E2 K isoform 1, also known as UBE2K, is a member of the ubiquitin-conjugating enzymes family. These enzymes participate in a variety of cellular processes, including selective protein degradation, DNA repair, cell cycle control, and sporulation. In this mechanism, the ATP-coupled activation and subsequent ligation of ubiquitin are catalyzed by separate enzymes functionally linked by ubiquitin carrier protein UBC1. Also, UBE2K is reportedly involved in Alzheimer's disease, Huntington's disease and antigen processing through its interaction with amyloid-beta, huntingtin, and MHC-heavy chain proteins. Recombinant human UBE2K protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol, 50mM NaCl

分子量: 26.5 kDa (236aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

序列:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMANIAVQRIKREFKEVLKSEETSKNQIKVDLVDENFTELR
GEIAGPPDTPYEGGRYQLEIKIPETYPFNPPKVRFITKIWHPNISVGTGAICLDILKDQWAAAMTLRTVLLSLQALLAAAEPD
DPQDAVVANQYKQNPENFMFKQTARLWAHVYAGAPVSSPEYTKKIENLCAMGFDRNAVIVALSSKSWDVETATELLSN

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

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.