

Recombinant Human UBE3A Peorein (Full length), N His-FLAG tagged

Cat. No. UBE3A-13HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length human UBE3A (var1) (GenBank Accession No. NM_130838), a.a. 2-end, with N-terminal His-FLAG-tag was expressed in a Baculovirus infected Sf9 cell expression system.
Species	Human
Source	Sf9 Cells
ProteinLength	Full Length
Description	This gene encodes an E3 ubiquitin-protein ligase, part of the ubiquitin protein degradation system. This imprinted gene is maternally expressed in brain and biallelically expressed in other tissues. Maternally inherited deletion of this gene causes Angelman Syndrome, characterized by severe motor and intellectual retardation, ataxia, hypotonia, epilepsy, absence of speech, and characteristic facies. The protein also interacts with the E6 protein of human papillomavirus types 16 and 18, resulting in ubiquitination and proteolysis of tumor protein p53. Alternative splicing of this gene results in three transcript variants encoding three isoforms with different N-termini. Additional transcript variants have been described, but their full length nature has not been determined.
Form	Aqueous buffer solution
Molecular Mass	99.8 kDa

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Applications	Useful in conjunction with E1 and E2 for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Usage	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Storage	> 6 months at -80 centigrade.
Storage Buffer	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 80 µg/ml FLAG peptide, 20% Glycerol and 3 mM DTT.
Shipping	At -80 centigrade
Warning	Avoid freeze/thaw cycles

GENE INFORMATION

Gene Name	UBE3A ubiquitin protein ligase E3A [Homo sapiens (human)]
Official Symbol	UBE3A
Synonyms	UBE3A; ubiquitin protein ligase E3A; EPVE6AP, HPVE6A, human papilloma virus E6 associated protein; ubiquitin-protein ligase E3A; ANCR; Angelman syndrome; AS; E6 AP; FLJ26981; CTCL tumor antigen se37-2; E6AP ubiquitin-protein ligase; renal carcinoma antigen NY-REN-54; human papillomavirus E6-associated protein; oncogenic protein-associated protein E6-AP; human papilloma virus E6-associated protein; E6-AP; HPVE6A; EPVE6AP
Gene ID	7337

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mRNA Refseq	NM_130838
Protein Refseq	NP_570853
MIM	601623
UniProt ID	Q05086

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