

Recombinant Full Length Human UBE3A Protein, MYC/DDK-tagged

Cat. No. UBE3A-1699HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ubiquitin protein ligase E3A (UBE3A) Protein , transcript variant 3 fused with C-terminal Myc/DDK tag, was expressed in mammalian cells.
Species	Human
Source	HEK293
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.
Molecular Mass	99.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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handling conditions. Avoid repeated freeze-thaw cycles.

Storage	Store at -80 centigrade.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Full Length	Full L.

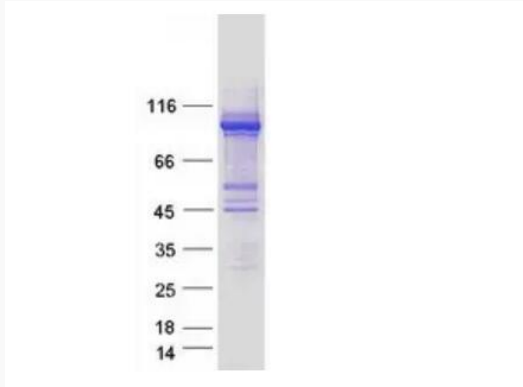
GENE INFORMATION

Gene Name	UBE3A ubiquitin protein ligase E3A [Homo sapiens (human)]
Official Symbol	UBE3A
Synonyms	UBE3A; ubiquitin protein ligase E3A; AS; ANCR; PIX1; E6-AP; HPVE6A; EPVE6AP; ubiquitin-protein ligase E3A; CTCL tumor antigen se37-2; E6AP ubiquitin-protein ligase; HECT-type ubiquitin transferase E3A; human papilloma virus E6-associated protein; human papillomavirus E6-associated protein; oncogenic protein-associated protein E6-AP; renal carcinoma antigen NY-REN-54; EC 2.3.2.26
Gene ID	7337
mRNA Refseq	NM_000462
Protein Refseq	NP_000453
MIM	601623
UniProt ID	Q05086

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SDS-PAGE

Coomassie blue staining of purified UBE3A protein. The protein was produced from HEK293T cells transfected with UBE3A cDNA clone using MegaTran 2.0.

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