

Product datasheet for TP316727

UBE3A (NM_000462) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ubiquitin protein ligase E3A (UBE3A), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216727 representing NM_000462 Red =Cloning site Green =Tags(s)

MEKLNHCYWKSGEPQSDIEASRMKRAAAKHLIERYYHQLTEGCGNEACTNEFCASCPTFLRMDNNAAI
KALELYKINAKLCDPHPSKKGASSAYLENSKGAPNNSCSEIKMNNKKGARIDFKDVTYLTEEKVYEILELC
REREDYSPLIRVIGRVFSSAEALVQSRKVKQHTKEELKSLQAKDEDEKDEDEKEKAACSAAMEEDSEAS
SSRIGDSSQGDNNLQKLGPDVSDIDAIRRVYTRLLSNEKIETAFNLALVYLSNVECDLTYHNVSRLD
PNYLNLFIVMENRNLHSPEYLEMALPLFCKAMSKLPLAAQGLIRLWSKYNADQIRMMETFFQQLITYK
VISNEFNSRNLVNDLDAIVAASKCLKMVYYANVVGGEVDTNHNEEDDEEPIPESELTLQELLGEERNK
KGPRVDPLETELGVKTLDCRKPLIPFEFFINEPLNEVLEMDKDYTFKVFETENKFSFMTCPFILNAVTKN
LGLYYDNIRIRMYSEIRITVLYSLVQGGQLNYPYLRRLKVRDDHIDDALVRLEMIAMENPADLKKQLYVEFE
GEQGVDEGGVSKEFFQLVVEEIFNPDIGMFTYDESTKLFWFNPSSFETEGQFTLIGIVLGLAIYNNCILD
VHFPMVYRKLGMKGGTFRDLGDSHPVLYQSLKDLLEYEGNVEDDMMITFQISQTDLFGNPMYDLKENG
DKIPITNENRKEFVNLVSDYILNKSVEKQFKAFRRGFHMVTNESPLKYLFRPEEIELLIGSRNLDFQAL
EETTEYDGGYTRDSVLIREFWEIVHSFTDEQKRLFLQFTTGTDRAPVGGGLGKLMIIAKNGPDTERLPTS
HTCFNVLLLPEYSSKEKLERLLKAITYAKGFGML

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

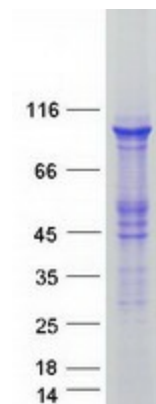
Tag:	C-Myc/DDK
Predicted MW:	100.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000453
Locus ID:	7337
UniProt ID:	Q05086
RefSeq Size:	4516
Cytogenetics:	15q11.2
RefSeq ORF:	2625
Synonyms:	ANCR; AS; E6-AP; EPVE6AP; HPVE6A
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Ubiquitin mediated proteolysis

Product images:



Coomassie blue staining of purified UBE3A protein (Cat# TP316727). The protein was produced from HEK293T cells transfected with UBE3A cDNA clone (Cat# [RC216727]) using MegaTran 2.0 (Cat# [TT210002]).