

OriGene Technologies, Inc.

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Product datasheet for TP304194M

Rad6 (UBE2A) (NM_003336) Human Recombinant Protein

Product data:

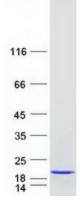
| Product Type: | Recombinant Proteins |
|--|--|
| Description: | Recombinant protein of human ubiquitin-conjugating enzyme E2A (RAD6 homolog) (UBE2A), transcript variant 1, 100 μg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC204194 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s) |
| | MSTPARRRLMRDFKRLQEDPPAGVSGAPSENNIMVWNAVIFGPEGTPFEDGTFKLTIEFTEEYPNKPPTV RFVSKMFHPNVYADGSICLDILQNRWSPTYDVSSILTSIQSLLDEPNPNSPANSQAAQLYQENKREYEKR VSAIVEQSWRDC |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 17.1 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. |
| 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: | <u>NP 003327</u> |
| Locus ID: | 7319 |
| UniProt ID: | <u>P49459</u> |



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| | Rad6 (UBE2A) (NM_003336) Human Recombinant Protein – TP304194M |
|-------------------|---|
| RefSeq Size: | 1878 |
| Cytogenetics: | Xq24 |
| RefSeq ORF: | 456 |
| Synonyms: | HHR6A; MRXS30; MRXSN; RAD6A; UBC2 |
| Summary: | The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, ubiquitin-conjugating enzymes, and ubiquitin- protein ligases. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is required for post-replicative DNA damage repair, and may play a role in transcriptional regulation. Mutations in this gene are associated with cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013] |
| Protein Families: | Druggable Genome |
| Protein Pathway | s: Ubiquitin mediated proteolysis |

Product images:



Coomassie blue staining of purified UBE2A protein (Cat# [TP304194]). The protein was produced from HEK293T cells transfected with UBE2A cDNA clone (Cat# [RC204194]) using MegaTran 2.0 (Cat# [TT210002]).

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