

## Product datasheet for PH304194

### Rad6 (UBE2A) (NM\_003336) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	UBE2A MS Standard C13 and N15-labeled recombinant protein (NP_003327)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204194
Predicted MW:	17.3 kDa
Protein Sequence:	<p>&gt;RC204194 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSTPARRRLMRDFKRLQEDPPAGVSGAPSENNIMVWNAVIFGPEGTPFEDGTFKLTIETEEYPNKPPTV            RFVSKMFHPNVYADGSICLDILQNRWSPTYDVSSILTSIQSLLEPNPNSPANQAQLYQENKREYEKR            VSAIVEQSWRDC</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003327</u>
RefSeq Size:	1878
RefSeq ORF:	456
Synonyms:	HHR6A; MRXS30; MRXSN; RAD6A; UBC2
Locus ID:	7319
UniProt ID:	<u>P49459</u>


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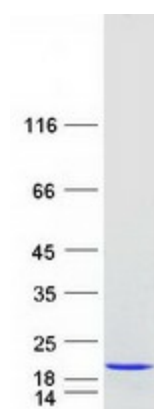
**Cytogenetics:** Xq24

**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 Pathways:** 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]).