

Product datasheet for **SC319174**

Ube1L (UBA7) (NM_003335) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube1L (UBA7) (NM_003335) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ube1L
Synonyms:	D8; UBA1B; UBE1L; UBE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003335.2
GGCTACAGCAGGGCACTGGCCCCACTGTCAACGCCACCTACACAAGACCCCTATCTCTG
AGCGCTGCAGCCTACTGTTCAAGACAGCTGTATGTGCTGGGCTCACCTGCCATGCAG
CTACTGGATGAGGAGCTGTATTCAAGACAGCTGTATGTGCTGGGCTCACCTGCCATGCAG
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GCTGACACCCGGGCCTCGTGGGCAGTTGTTCTGTGACTTTGGTGAGGACTTCACTGTG
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CCTGGCATTCTCACTCTGAGAAAGGGCCAATACCCACTACTTCCGTGATGGAGACTTG
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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_003335
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_003335.2 , NP_003326.2
RefSeq Size:	3330 bp
RefSeq ORF:	3039 bp
Locus ID:	7318
UniProt ID:	P41226
Cytogenetics:	3p21.31
Domains:	UBACT, ThiF
Protein Families:	Druggable Genome
Protein Pathways:	Parkinson's disease, Ubiquitin mediated proteolysis
Gene Summary:	<p>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, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E1 ubiquitin-activating enzyme family. The encoded enzyme is a retinoid target that triggers promyelocytic leukemia (PML)/retinoic acid receptor alpha (RARalpha) degradation and apoptosis in acute promyelocytic leukemia, where it is involved in the conjugation of the ubiquitin-like interferon-stimulated gene 15 protein. [provided by RefSeq, Jul 2008]</p>