

Product datasheet for **MC204184**

Uvrag (NM_178635) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uvrag (NM_178635) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Uvrag
Synonyms:	9530039D02Rik; AI648770; BB124205; Uvrag1; Uvragl
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC034176
GGCTCTTCCTTAGCCAGCGGCGGTGCCAGCGCGGGCGCAGAGCTGCTGGGGCTCTCGGTGCCCGGTTTC
TAGGCTGTAGGGGCTCTGCGAATCACAGCTCGGGAGGCAGCGCCGATGCGGGAGGACTGCCACCTGGC
CGCTCGGCGGCTCAGGGTCCAGATGAGCTCCTGCGCCTCGCTCGGGGGCCCGGTGCCCTGCCACCCCC
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ATTGTAAGAAGAATAAAAGTTGAATTTACTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AA
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Restriction Sites:

RsrII-NotI

ACCN:	NM_178635
Insert Size:	2097 bp
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).
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:	BC034176 , AAH34176
RefSeq Size:	3432 bp
RefSeq ORF:	2097 bp
Locus ID:	78610
UniProt ID:	Q8K245
Cytogenetics:	7 E1
Gene Summary:	Versatile protein that is involved in regulation of different cellular pathways implicated in membrane trafficking. Involved in regulation of the COPI-dependent retrograde transport from Golgi and the endoplasmic reticulum by associating with the NRZ complex; the function is dependent on its binding to phosphatidylinositol 3-phosphate (PtdIns(3)P). During autophagy acts as regulatory subunit of the alternative PI3K complex II (PI3KC3-C2) that mediates formation of phosphatidylinositol 3-phosphate and is believed to be involved in maturation of autophagosomes and endocytosis. Activates lipid kinase activity of PIK3C3. Involved in the regulation of degradative endocytic trafficking and cytokinesis, and in regulation of ATG9A transport from the Golgi to the autophagosome; the functions seems to implicate its association with PI3KC3-C2. Involved in maturation of autophagosomes and degradative endocytic trafficking independently of BECN1 but depending on its association with a class C Vps complex (possibly the HOPS complex); the association is also proposed to promote autophagosome recruitment and activation of Rab7 and endosome-endosome fusion events. Enhances class C Vps complex (possibly HOPS complex) association with a SNARE complex and promotes fusogenic SNARE complex formation during late endocytic membrane fusion. In case of negative-strand RNA virus infection is required for efficient virus entry, promotes endocytic transport of virions and is implicated in a VAMP8-specific fusogenic SNARE complex assembly.[UniProtKB/Swiss-Prot Function]