

Product datasheet for **MR202030L4V**

Ube2k (NM_016786) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ube2k (NM_016786) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ube2k
Synonyms:	AW492011; D5Ertd601e; E2-25k; HIP-2; Hip2; Hypg; Lig
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016786
ORF Size:	603 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR202030).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_016786.3
RefSeq Size:	4866 bp
RefSeq ORF:	603 bp
Locus ID:	53323
UniProt ID:	P61087
Cytogenetics:	5 33.72 cM



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Gene Summary:

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro, in the presence or in the absence of BRCA1-BARD1 E3 ubiquitin-protein ligase complex, catalyzes the synthesis of 'Lys-48'-linked polyubiquitin chains. Does not transfer ubiquitin directly to but elongates monoubiquitinated substrate protein. Mediates the selective degradation of short-lived and abnormal proteins, such as the endoplasmic reticulum-associated degradation (ERAD) of misfolded luminal proteins. Ubiquitinates huntingtin. May mediate foam cell formation by the suppression of apoptosis of lipid-bearing macrophages through ubiquitination and subsequent degradation of p53/TP53. Proposed to be involved in ubiquitination and proteolytic processing of NF-kappa-B; in vitro supports ubiquitination of NFKB1. Involved in stabilization of CASP12 during ER stress-mediated amyloid-beta neurotoxicity probably by inhibiting proteasome activity; in vitro ubiquitinates CASP12.[UniProtKB/Swiss-Prot Function]