

Product datasheet for **RG223133**

UBE2V1 (TMEM189-UBE2V1) (NM_199203) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2V1 (TMEM189-UBE2V1) (NM_199203) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PEDS1-UBE2V1
Synonyms:	CROC-1B; CROC1B; KUA-UEV; TMEM189-UBE2V1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223133 representing NM_199203 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGCGCCGAGGACTGGCCGGCCAGCAGCTGGAGCTGGACGAGGACGAGGCGTCTTGTTGCCGCT
GGGGCGCGCAGCAGCCGGGGCCCGGAGCTGGCTGCGCTCTACTCGCCAGGCAAGCGCCTCCAGGAGTG
GTGCTCTGTGATCCTGTGCTTCAGCCTCATCGCCACAACCTGGTCCATCTCTGCTGCTGGCCCGCTGG
GAGGACACACCCCTCGTCATACTCGGTGTTGTTGCAGGGGCTCTCATTGCTGACTTCTTGCTGGCCTGG
TACTGGGGTGCTGACACATGGGGCTCTGTGGAGCTGCCATTGTGGGAAGGCTTTCATCCGACCCCTT
CCGGGAGCACCATTGACCCGACAGCTATCACACGGCAGACTTCATCGAGACCAACGGGGACAACCTGC
CTGGTGACTGCTGCCGCTGCTAAACATGGCCTACAAGTTCCGCACCCACAGCCCTGAAGCCCTGGAGC
AGCTATACCCCTGGGAGTGCTTCGTCTTCTGCCTGATCATCTTCGGCACCTTCACCAACCAGATCCACAA
GTGGTCGCACACGTACTTTGGGCTGCCACGCTGGGTACCCTCCTGCAGGACTGGCATGTATCTGCCA
CGTAAACACCATCGCATCCACCACGTCTCACCCACGAGACCTACTTCTGCATCACCACAGGAGTAAAAG
TCCCTCGCAATTTCCGACTGTTGGAAGAAGCTCGAAGAAGGCCAGAAAGGAGTAGGAGATGGCACAGTTAG
CTGGGGCTAGAAGATGACGAAGACATGACACTTACAAGATGGACAGGGATGATAAATGGCCTCCAAGA
ACAATTTATGAAAACCGAATATACAGCCTTAAAATAGAATGTGGACCTAAATACCCAGAAGCACCCCTT
TTGTAAGATTTGTAACAAAAATTAATATGAATGGAGTAAATAGTTCTAATGGAGTGGTGGACCCCAAGAGC
CATATCAGTGCTAGCAAAATGGCAGAATTCATATAGCATCAAAGTTGCTCTGCAAGAGCTTCGGCGCCTA
ATGATGCTAAAGAAAATATGAAACTCCCTCAGCCGCCGGAAGGACAGTGTACAGCAAT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223133 representing NM_199203
 Red=Cloning site Green=Tags(s)

MAGAEDWPGQLELDEDEASCCRWGAQHAGARELAALYSPGKRLQEWCSVILCFSLIAHNLVHLLLLARW
 EDTPLVILGVVAGALIADFLSGLVHWGADTWGSVELPIVGKAFIRPFREHHIDPTAIRHDFIETNGDNC
 LVTLLPLLNMAYKFRTHSPEALEQLYPWECFVFLCIIFGTFTNQIHKWSHTYFGLPRWVTLQLDWHVILP
 RKHHRIHHVSPHETYFCITTTGKVKVPRNFRLLLEELQKGVGDGTVSWGLEDDMTLTRWTGMIIGPPR
 TIYENRIYSLKIECGPKYPEAPPFVRFVTKINMNGVNSSNGVVDPRRAISVLAKWQNSYSIKVVLQELRRL
 MMSKENMKLPQPPEGQCYSN

TRTRPLE - GFP Tag - V

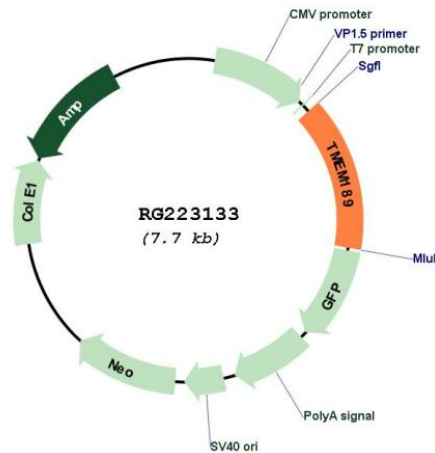
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_199203

ORF Size:	1110 bp
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.
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_199203.2 , NP_954673.1
RefSeq Size:	2852 bp
RefSeq ORF:	1113 bp
Locus ID:	387522
UniProt ID:	Q13404
Cytogenetics:	20q13.13
Protein Families:	Transmembrane
Gene Summary:	The TMEM189-UEV mRNA is an infrequent but naturally occurring read-through transcript of the neighboring TMEM189 and UBE2V1 genes. Ubiquitin-conjugating E2 enzyme variant proteins constitute a distinct subfamily within the E2 protein family. They have sequence similarity to other ubiquitin-conjugating enzymes but lack the conserved cysteine residue that is critical for the catalytic activity of E2s. The protein produced by this transcript has UEV1 B domains but the protein is localized to the cytoplasm rather than to the nucleus. The significance of this read-through mRNA and the function of its protein product has not yet been determined. [provided by RefSeq, Oct 2010]