

Product datasheet for **RC239837**

Vesicle docking protein p115 (USO1) (NM_001290049) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vesicle docking protein p115 (USO1) (NM_001290049) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vesicle docking protein p115
Synonyms:	P115; TAP; VDP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC239837 representing NM_001290049
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATTTCTCCGCGGGTAATGGGGGTCAGAGTGCCGGACCCAGCACACAGAAGCCGAGACGATTC
 AAAAGCTTTGTGACAGAGTAGCTTCATCTACTTTATTGGATGATCGAAGAAATGCTGTTCTGCTCTCAA
 ATCATTATCTAAGAAATACCGCTTGGAAGTGGGTATACAAGCTATGGAACATCTTATTCATGTTTTACAA
 ACAGATCGTTCAGATTCTGAAATAATAGGTTATGCTTTGGACACACTATATAATATAATATCTAATGAAG
 AAGAAGAAGTAGATGATGTTGAAGAAGAAAATCCACAAGACAGAGTGAAGATTTGGGAAGCCAATT
 TACAGAAATTTTCATTAAGCAGCAGGAAAATGTCACCTCTCTGTTATCTTTATTGGAGGAGTTTGATTTT
 CATGTCCGCTGGCTGGTGTGAAGCTTCTTACTTCTCTTTTAAACAACAGGGCCTCAGGTGCAACAAA
 TTATTTTAGTCAGTCCTATGGGTGTTTCAAGATTGATGGACTTACTAGCGGATTCAGGGAAGTTATACG
 TAATGATGGCGTCTTACTACTGCAGGCACTAACAAGAAGCAATGGTGCAATCCAGAAAATGTTGCTTTT
 GAAAATGCTTTTCGAGAGACTACTGGACATTATTTTCAGAGGAGGGGAACAGTGATGGAGGTATAGTAGTTG
 AAGATTGTTTGATTTTGCTCCAAAACCTTATTAACAAAACAACCTCCAATCAAAATTTTTTAAAGAAGG
 CTCATATATTCAACGTATGAAACCTTGTTTGAAGTTGGAGATGAAAATCTGGCTGGTCTGCACAGAAA
 GTGACCAATCTACATCTAATGCTACAGCTTGTTCTGTGATTGGTATCTCCACCAACCCTCCTGGTGCTA
 CCAGTAGCTGCCAGAAGGCTATGTTCCAGTGTGGGTATTGTCAGCAGCTTTGACTATCCTAATGGCTAC
 TGGGGTTCCTGCTGATATCCTGACTGAGACCATAAATACTGTATCAGAAGTTATTCGAGGCTGCCAAGTA
 AACCAAGACTACTTTGCATCTGTAATGCACCTTCAAACCCACCAAGACCGGCAATTGTAGTACTTCTCA
 TGTCATGGTTAATGAAAGGCAGCCATTTGTTTTCGCTGTGCTGTTCTCTATTGTTTCCAGTGTTTCTT
 GTATAAAACCAAAAAGGACAAGGAGAAAATCGTGTCAACACTTTTACCTTCTACCATTGATGCAACAGGT
 AATTCAAGTTTCAGCTGGCCAGTTATTATGTGGAGGTTGTTTTCTACTGATTCACCTTTCAAACCTGGTGTG
 CTGCTGTGGCCCTTGCCCATGCGTTGCAAGAAAATGCCACCCAGAAAGAACAGTTGCTCAGGGTTCAACT
 TGCTACAAGTATTGGCAACCCTCCAGTTTCTTTACTTCAACAGTGCACCAATATTCTTTACAGGGTGAT
 AAGATCGACAGACGGGAAGCAAAATACAAACAAGAGTTGGATTATTAATGTTGCTTTGTACCTGGCTAA
 GCAATTGTCCATTGCAGTAACGCATTTTCTTCACAATTCAGCCAATGTTCCATTTCTTACAGGACAAAT
 TGCAGAAAATCTTGAGAAGAAGAGCAGTTGGTCCAAGGCTTATGTGCCCTTTTGTGGGCAATTCGATT
 TATTTCAATGATAACTCACTTGAGAGCTACATGAAAGAGAAGCTAAAACAACGATTGAGAAGAGGATTG
 GCAAGAGAAATTCATAGAGAACTAGGATTTATTAGCAACATGAGTTGTATTCCAGAGCATCTCAGAA
 ACCCCAGCCAACTTTCCAGTCCAGAATACATGATATTTGATCATGAGTTTACGAAGCTGGTAAAGAA
 CTTGAAGTGTTATAACTAAGGCTATTTATAAGTCCAGTGAAGAAGATAAAAAAGAAGAGGTGAAAA
 AAACATTAGAAGCAGATGACAATATTGTGACTCACTACAAAAATGATTTCGAGAGCAGGATCTCCAAC
 TGAGGAATTAAGGCAGCAGGTTTCTACATTAATGTCAAAATGAACAGCTCCAGACGGCAGTCACACAG
 CAAGTATCACAGATCCAGCAGCAGCAAGACCAGTATAATCTTCTTAAATACAGCTAGGAAAAGACAATC
 AGCATCAAGGTTCTTACAGTGAGGGGGCTCAGATGAATGGCATTACGCCAGAAGAAATTTGGTAGATTGCG
 AGAAGAGATAGAAGAATTAACGTAATCAGGAACCTTTACAAAGCCAGCTGACTGAAAAGGACTCTATG
 ATTGAAAAATATGAAATCTTCCCAACATCTGGCACAAATGAACAGTCTTCAGCAATAGTTTCAGCTAGAG
 ATTCTGAACAAGTTGCAGAATTAACAGGAAGTGGCAACTTTAAAGTCTCAGTTAACTCACAATCTGT
 GGAGATACCAAACTACAGACAGAAAAGCAGGAAGTTACAGAAAACAGAAGCGTTTGCAAAATCAGTT
 GAGGTACAAGGAGAGACCGAGACTATAATAGCCACCAAACTACTGATGTAGAAGGAAGACTGTCAGCAT
 TATTACAAGAGACCAAGAGTTAAAGAATGAAATTAAGTCTGTCTGAGGAAAGAACTGCCATTAAGA
 GCAGCTGGATTCTAATAGTACCATTGCCATTTTACAACTGAGAAAGACAACTAGAGTTGGAAAT
 ACAGATTCTAAAAAGACAAGATGATCTCTTGGTCTCTTGGCCGATCAAGATCAGAAAATACTGTCAT
 TGAAGAATAAACTCAAGGATCTTGGTCATCCAGTTGAAGAAGAGGATGAAGTTGAATCTGGAGACCAAGA
 GGATGAGGATGATGAAAGTGAAGATCTGGCAAGGATCTAGATCATATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239837 representing NM_001290049
Red=Cloning site Green=Tags(s)

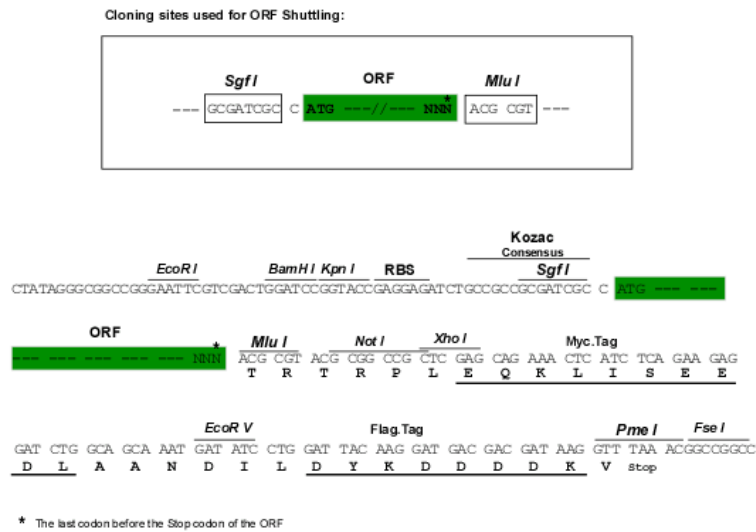
MNFLRGVMGGQSAGPQHTEAETIQKLCDRVASSTLLDDRRNAVRALKSLSKKYRLEVGIQAMEHLIHVLQ
TDRSDSEIIGYALDTLYNIISNEEEEEVDVEENSTRQSEDLSQFTEIFIKQQENVTLTLLSLEEFDF
HVRWPGVKLLTSLKQLGPQVQIILVSPMGVSRLMDLLADSREVIRNDGVLLQLALTRSGAIQKIVAF
ENAFERLLDIIEEGNSDGGIVVEDCLILLQNLKNNNSNQNFKEGSYIORMKPWFVEVDENSGWSAQK
VTNLHMLQLVRLVSPNPPGATSSCQKAMFQCGLLQQLCTILMATGVPADILTETINTVSEVIRGCQV
NQDYFASVNAAPSPPRAIVVLLMSMVNERQPFVLRCAVLYCFQCFLYKNQKGQGEIVSTLLPSTIDATG
NSVSAGQLLCGLFSTDLSNWCAAVALAHALQENATQKEQLLRVQLATSIGNPPVSLQCTNLSQGD
KIDRRGSKIQTRVGLMLLCTWLSNCPIAVTHFLHNSANVPFLTGQIAENLGEEELVQGLCALLLGISI
YFNDNSLESYMEKELKQIEKRIGKENFIEKLGFIKHELYSRASQKQPQNPSPPEYMFDFEFTKLKVE
LEGVITKAIYKSSEEDKKEEVKKTLEQHDNIVTHYKNMIREQDLQLEELRQVSTLKCQNEQLQTAVTQ
QVSQIQHKDQYNLLKIQLGKDNQHQGSYSEGAQMNGIQPEEIGRLREEIEELKRNQELLQSQLTEKDSM
IENMKSSQTSQTNEQSSAIVSARDSEQVAELKQELATLKSQLSQSVEITKLQTEKQELLQKTEAFKSV
EVQGETETIIATKTTDVEGRSLALLQETKELKNEIKALSEERTAIKEQLDSSNSTIAILQTEKDKLELEI
TDSKKEQDDLLVLLADQDQKILSLKNKLKDLGHPVEEEDLESGDQEDDESEDPGKDL DHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

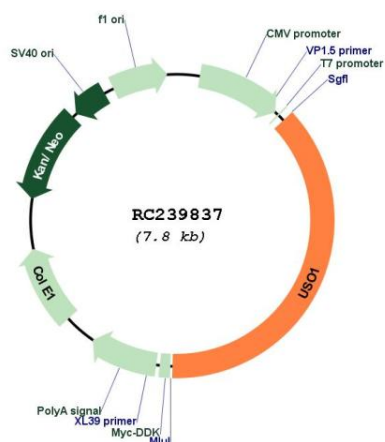


ACCN: NM_001290049

ORF Size: 2919 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001290049.1 , NP_001276978.1
RefSeq Size:	4222 bp
RefSeq ORF:	2922 bp
Locus ID:	8615
UniProt ID:	O60763
Cytogenetics:	4q21.1
MW:	109.6 kDa
Gene Summary:	The protein encoded by this gene is a peripheral membrane protein which recycles between the cytosol and the Golgi apparatus during interphase. It is regulated by phosphorylation: dephosphorylated protein associates with the Golgi membrane and dissociates from the membrane upon phosphorylation. Ras-associated protein 1 recruits this protein to coat protein complex II (COPII) vesicles during budding from the endoplasmic reticulum, where it interacts with a set of COPII vesicle-associated SNAREs to form a cis-SNARE complex that promotes targeting to the Golgi apparatus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

Product images:



Circular map for RC239837