

Product datasheet for SC117786

Vesicle docking protein p115 (USO1) (NM_003715) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vesicle docking protein p115 (USO1) (NM_003715) Human Untagged Clone
Tag:	Tag Free
Symbol:	Vesicle docking protein p115
Synonyms:	P115; TAP; VDP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117786 sequence for NM_003715 edited (data generated by NextGen Sequencing)

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ATGAATTCCTCCGCGGGTAATGGGGGTCAGAGTGCCGACCCAGCACACAGAAGCC
GAGACGATTCAAAAGCTTTGTGACAGAGTAGCTTCATCTACTTTATTGGATGATCGAAGA
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TGGCTAAGCAATTGTCCCATTGCAGTAACGCATTTTCTTCACAATTCAGCCAATGTTCCA
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 TGTGCCCTTTTGTGGGCATTTTCGATTTATTTCAATGATAAATCACTTGAGAGCTACATG
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 GAATCTGGAGACCAAGAGGATGAGGATGATGAAAGTGAAGATCCTGGCAAGGATCTAGAT
 CATATCTAG

Clone variation with respect to NM_003715.2
 254 t=>c

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_003715 unedited
 CGGTTTCAGATATTTGTATACGACTTACTATNAGGNCCGGCCGCAATTCGGCACGAGGC
 TGGAGTGGCCCGGAGTTGGAGGCGGTGGTGGCAGCAGTAGGAGTGTGTAGAGTGCAGGGA
 TTGGGGGCCAGGCCCTGCGGAGGGCGGGGAAGTTGTCTTCTTTTTTCCGGAGGGGCC
 GGTAAACCTGGTGGCTGAACGGCAAGATGAATTTCTCCGCGGGTAATGGGGGTGAGA
 GTGCCGGACCCAGCACACAGAAGCCGAGACGATTCAAAGCTTTGTGACAGAGTAGCTT
 CATCTACTTTATTGGATGATCGAAGAAATGCTGTTCTGTCTCTCAAATCATTATCTAAGA
 AATACCGCTTGAAGTGGGTATACAAGCTATGGAACATCTTATTCATGTTTTACAACAG
 ATCGTTCAGATTCTGAAATAATAGTTATGCTTTGGACACACTATATAATATAATATCTA
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 AATTTACAGAAATTTTCATTAAGCAGCAGGAAAATGTCACCTCTTCTGTTATCTTTATTGG
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 TGGACTTACTAGCGGATTCAGGGAAGTTATACGTAATGATGGCGTCTTACTACTGCAGG
 CACTAACAAAGAAGCATGGTGCAATCCAGAANATTGNTGCTTTTAAAAATGCTNCTCGAGAG
 ACTACTGGACATTATTTTCAAGAGGGGAAACAGTGTGAGGATAGTAGNTGAAAGAT
 TGTTTGATTNTGCT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003715 unedited CCGCGGCCGAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTGGTTTTTTTTTTTTTTTT TAAGTCAACGTATCTATTTTTATTATGAAACATTAATTTTGACACATTGCCTCATTG TTTTTAAAATCTATTATCTGACTTAAACCTATTCAGCAAAAATGCCAATAAATTATATT AATCATACTTTGGGTCTTTTTAAAAGTGAACATAATATGTTTTATGATAAACAATAAT ACTAAATCTGAGTTGTATGAACTGTTAACTTGAATTTGTTTTAAATGTTTAGCTAAAA CAAAAAGAAAACCAATCACATTAATACACTGTTGCAAAAAGTTTCTCCGGAATGCCCTCCA CATCACTGTGTGCAGCATCCTTCGGCTTCTTCACTGAGGTATGGAATGCAGCCATATGT AGGTGTCAAGGCACTCATTCTAAGCTGTCTATCCTGCACATCTTAGCAATCACATTAGA TGGAGGGCTGATGATATGCACTAACTCCCAACCCAGGCTATCTTGCTTTTAAATAAACTA ATTTCTTTAAAAGAAAATCATCACTAAGGACTCAAATGCTGAATTTAGAAATAATAATT CCAATTCAATACACATTCATCAATGTGTAGTACTTAAAAGTCACAAATTTTGCAAAG TAAACAACGAATGAACTAAGGGCAATAGCATTGTCACCACATGCCTTAAAAGGTATATTT TTGGTGTGTTGAAGCTCTTTGCAAATACATTTTGGGACAGTTCAGATGGATTAATAAAAA ATGTGTGGTCTACATAAATCAGTTTTAAGGGTTTCAACATGGTGGCAACATTACAAAAAT ATCATAGCCTTAAAGTGAATGTTTCCAACCTGGTCTAAATCTTATTTTCTGAAGGTAAC CAAGTTAAAGCCCATCTCAAATAAGAATAAACCTATGTCA
Restriction Sites:	NotI-NotI
ACCN:	NM_003715
Insert Size:	4000 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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
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_003715.1 , NP_003706.1
RefSeq Size:	3980 bp

RefSeq ORF: 2889 bp

Locus ID: 8615

UniProt ID: [O60763](#)

Cytogenetics: 4q21.1

Domains: Uso1_p115_head, Uso1_p115_C

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]

Transcript Variant: This variant (2) lacks two exons in the central coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.