

Product datasheet for **RN212110**

Uso1 (NM_019379) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uso1 (NM_019379) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Uso1
Synonyms:	TAP; Vdp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212110 representing NM_019379
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATTTCTCCGCGGGTGATGGGGGTCAGAGTGCCGGACCCAGCACAGAAAGCTGAGACGATTC
 AGAAGCTCTGTGACCGCTAGCTTCATCTACTTTACTGGACGACCGAAGAAATGCTGTCCGTGCCCTTAA
 GTCAGTGTCTAAGAAATACCGCTTGGAAGTGGGAATCCAAGCCATGGAGCATCTTATCCACGTCTTACAG
 ACAGATCGTTCGGATTCTGAAATAATAGCGTATGCTTTGGACACACTCTATAATAATATCCAATGATG
 AAGAGGAAGAAGTGAAGAAAAATCTACAAGACAGAGTGAGGATTTGGGAAGCCAATTTACAGAAATTTT
 CATTAAGCAGCCAGAAAATGTCCTCTCCTGTTATCTTTGTTGGAGGAGTTTGATTTCCACGTCCGATGG
 CCTGGTGTGAGACTTCTGACTTCTTTTTAAAACAGCTAGGGCCTCCAGTGCAGCAAATCATCTAGTCA
 GCCCATGGGTGTTTCAAATTAATGGACTTGCTGGCAGATTCCAGGGAAATTATACGTAATGATGGCGT
 CTTACTACTGCAGGCATTAACAAGGAGCAACGGAGCGATCCAGAAAATTGTTGCTTTTAAAATGCTTTT
 GAGAGACTACTGGACATTATTACAGAGGAGGGGAACAGCGATGGAGGTATAGTAGTGAAGATTGTTTGA
 TTTTGCTCCAAAATTTGTTAAAAACAACAATCCAATCAAATTTTTTTAAAAGAAGGCTCTTATATTCA
 ACGTATGAAAGCTTGTTTGAAGTTGGAGATGAAAATCCTGGTTGGTCAGCACAGAAAAGTGACCAATCTT
 CATTTAATGCTCCAGCTTGTGCGGGTACTGGTGTCTCCACCAACCCCTCCCGGTGCTACCAGTAGCTGCC
 AGAAGGCCATGTTCCAGTGTGGGTTACTACAACAGCTTTGCACTATCCTGATGGTACCAGGAAATCCTGC
 TGATATCCTGACTGAGACCATAAATACTGTATCAGAAGTTATTCGAGGCTGCCAAGTAAATCAAGACTAC
 TTTGCTTCTGTGAATGCGCCTTCAAATCCCCACGACCGGCAATCGTTGTGCTGCTCATGTCCATGGTCA
 ACGAAGGCAGCCATTTGTACTGCGCTGCGCGTGTCTACTGTTCCAGTGTCTCTATAAAAAACGA
 GAAAGGACAAGGAGAGATTGTGGCCACTCTGCTACCTTCCACTATTGACGCAACAGGTAACCTCGGTCTCA
 GCTGGCCAGCTGCTCTGCGGAGGTTTGTTCACAGACTCCCTCTCAAAGTGGTGTGCTGCCGTGGCCC
 TCGCCATGCACTGCAAGGGAACGCCACCCAGAAGGAGCAGCTGCTCAGGGTTCAGCTGGCCACCAGCAT
 CGGCAACCCCCAGTGTGCTCTTGCAGCAGTGCACCAACATTCTGTCCAGGGAAGCAAGATACAGACA
 AGAGTCGGGTTGTTGATGTTGCTTTGTACCTGGTTAAGCAACTGTCGATTGCTGTAACACACTTTCTTC
 ACAACTCAGCCAATGTTCCATTTCTTACAGGACAGATTGCAGAAAATCTCGGAGAAGAAGAGCAGTTGGT
 CCAAGGCTTATGTGCCCTCTTTTGGGCATTTCAATTTATTTCAACGACAACTACTAGAAAACACAGC
 AAAGAGAACTAAAGCAACTAATAGAGAAGAGGATTGGCAAAGAGAATTACATAGAGAACTTGGATTTA
 TTAGCAAGCATGAGTTATATCCAGAGCATCTCAGAAACCCAGCCAAACTTTCCGAGTCCAGAATACAT
 GATATTTGATCATGAGTTTAAAACTGGTGAAGAAGTGAAGGTGTTATTACCAGGCTATTTATAAG
 TCCAGCGAAGAAGATAAGAAAAGAGGAAGAGGTAAGAAAACCTTAGAACAGCATGATAATATTGTGACTC
 ACTATAAGAAATGTGATCCGTGAGCAAGACCTACAACCTGGAGGAACTAAAACAGCAAGTGTCCACACTGAA
 ATGTCAGAACGAGCAGCTGCAACAGCAGTCAACCCAGCAGGCTTCTCAGATTGAGCAGCACAAGGATCAG
 TACAACCTCCTCAAAGTTCAGCTCGGGAAGACAATCACCATCAAGGTTCTCACAGTACCGGGGCTCAGG
 TAAATGGCATTGAGCCAGAGGAAATCAGTCCGCTGAGGGAAGAGATAGAAGAATTAAGAAGTCATCAGGT
 GCTCTTACAGAGCCAGCTAGCTGAAAAGGACACTGTGATTGAAAATTTGAGATCTTACAAGTGTCTGGC
 ATGAGTGAACAGGCTTTAGCAACGTGTTACCCAGAGATGCCGAGCAAGTTGCAGAGTTAAAACAGGAAT
 TGTGAGCATTAAAGTCCAGTTATGTTACAGTCTCTGGAGATCACTAGACTCCAGACAGAGAACCCTGA
 GCTGCAACAGAGAGCAGAGACCTTGGCAAAGTCAAGTTCCTGTAGAAGGAGAGAGTGTGAGCTTGTGACAGCC
 GCAAAAACCTACGGATGTAGAGGGAAGGCTGTCTGCCCTGCTGCAGGAGACCAAAGAGTTAAAGAATGAGA
 TTAAGCATTGTCTGAGGAGAGGACCTCCATTCAAAGCAGCTGGACTCCTCAAACAGCACCATCGCCAT
 CCTACAAACGGAGAAAGACAAGCTATACTTGGAAAGTACGGATTCTAAGAAAGAACAAGATGATCTTTT
 GTGCTGTTGGCAGATCAAGATCAGAAAACTCTGCTACTGAAGAGTAACTCAAGGATCTTGGTCATCCAG
 TTGAAGAAGAAGATGAATCTGGAGACCAAGAAGATGATGATGAACTGACGATGGTGACAGGGACCA
 GGATATC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_019379
Insert Size:	2880 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:	<u>NM_019379.1</u> , <u>NP_062252.1</u>
RefSeq Size:	3842 bp
RefSeq ORF:	2880 bp
Locus ID:	56042
UniProt ID:	<u>P41542</u>
Cytogenetics:	14p22
Gene Summary:	tethering protein involved with transcytotic vesicle transport, including ER to Golgi and between the Golgi stacks [RGD, Feb 2006]