

## Product datasheet for **SC315492**

### **TVP23A (NM\_001079512) Human Untagged Clone**

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	TVP23A
<b>Synonyms:</b>	FAM18A; YDR084C
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-Entry (PS100001)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)
<b>Fully Sequenced ORF:</b>	>SC315492 representing NM_001079512. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGAAGCAGGCCCTGGTGGACGATACCGAGGATGTGTCCCTGGACTTTGGAAACGAGGAGGAGCTGGCC
TTTAGGAAAGCCAAGATCAGACACCCCTTGGCCACCTTTTCCACCTGTTTTCCGAGTGAGTGCCATC
GTCACCTACGTGAGCTGCGACTGGTTCAGCAAGAGCTTTGTGGGCTGTTTTGTCATGGTGCTGCTCCTC
CTGTCCCTGGACTTCTGGTCTGTGAAGAATGTAACCGGAAGACTCCTGGTGGGCCTTCGATGGTGAAC
CAGATAGATGAAGATGGGAAGAGCCACTGGATCTTTGAAGCCAGGAAGGTCTCTCCGAATAGCATTGCT
GCCACAGAAGCTGAAGCACGAATCTTCTGGCTGGGCCTCATAATCTGCCCATGATATGGATTGTGTTT
TTTTTTAGCACCTTATTTTCTTGAAGCTAAAGTGGCTGGCTCTGGTGGTTGCTGGGATCTCTCTCAA
GCTGCAAACCTGTATGGCTACATCCTTTGAAGATGGGAGGCAACAGTGACATTGGCAAGGTCACAGCC
AGTTTCCTGTCCAGACAGTGTCCAGACGGCTGCCAGGTGACTTTCAGAAGCCTGGCCTCGAGGGG
CTGGAGATTCACCAAGCATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

<b>Restriction Sites:</b>	SgfI-MluI
<b>ACCN:</b>	NM_001079512
<b>Insert Size:</b>	642 bp



<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_001079512.3</a>
<b>RefSeq Size:</b>	3397 bp
<b>RefSeq ORF:</b>	642 bp
<b>Locus ID:</b>	780776
<b>UniProt ID:</b>	<a href="#">A6NH52</a>
<b>Cytogenetics:</b>	16p13.13
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	24.1 kDa

**Gene Summary:**

This gene encodes a membrane protein associated with the Golgi apparatus, which plays a crucial role in intracellular vesicular transport. The encoded protein is likely associated with the late (trans) Golgi compartments, which are involved in the delivery of secretory and membrane proteins to the endosome, lysosome or the plasma membrane. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.