

Product datasheet for SC108600

TASOR (NM_015224) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TASOR (NM_015224) Human Untagged Clone
Tag:	Tag Free
Symbol:	TASOR
Synonyms:	C3orf63; FAM208A; RAP140; se89-1; TASOR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108600 sequence for NM_015224 edited (data generated by NextGen Sequencing)

```

ATGAGTATTGATCATCTGAAACAGAAAAATCCCTCCAGCACTGTTTATAAGGAAACATAC
TTAGGTCCAAATGAAGTTTTGAAGAATGAATGTATTGCAGCCTTTATGAAGTTGTGAA
AAGACAAGAAATTGGAAGTAACATGGAGAGTTTACTGCAAAAACTAGACAGAGAAAACTT
GTTCTTGTTAAACCTTTGGGAGACCGAGGATACCTTTTTCTTCTCTCCCTTATCAGATG
GTTCTCCATATGAATATCAGACTGCCAAGTCTCGAGTCTACATGCTTTGTTTCTATTT
CAAGAACCTAGAAGCATAGTTACTTCACAAAAAGGTTCAACCAATGCAGCACCACAGGAG
AGGCATGAGAGCATGCCAGATGTATTAATAATAGCTCAGTTTTTACAATTTTCTTTGATT
CAGTGTGCGAAAGGAATTCAAAAATATAAGCGCCATAAATTTTCATTCTGTTGTTGAAAAG
TATGTAAGTGAATTTTTTAAGCGAGGTTTTGGTTCAGGTAACGAGAGTTTATTATGTTT
CCATATGATTACGATTAGATGATAAAAAATTCTTATACTCAGCTCCAGAAATAAATCC
CATATTGATACTTGTTTGCATGCCTATATTTTTCGGCCTGAAGTGATCAGTTACCTATT
TGTAATTAAGAAGAACTATTTGAAGAAAAATAGAAAACTTCAGCAGTTTAGTCCACTTTCA
GATTATGAAGGTCAAGAAGAAGAAATGAATGGTACAAAAATGAAATTTGGAAAACGAAAT
AACTCAAGAGGTGAAGCCATTATATCTGGAAAGCAAAGATCATCTCATTCTTTGGATTAT
GATAAGGATAGAGTCAAGAATTGATTAATTTAATTTCAGTGTAGGAAAAAGAGTGTGGGT
GGGGA CTGAGACAGAGATATGAGAAGCAAACTGTCTTGAAGAGGAAGCTTGAGGAT
CTACCTGAAAATATGAGAAAGCTCGCCAAAACCAAGTAATTTATCTGAAAATTGCCATCTG
TATGAAGAGTCTCCACAGCCTATTGGCTCACTTGGACATGATGCTGACTTGAGGCGGCAG
CAGCAGGATACCTGTAACCTCCGGCATTGCTGACATCCATAGGCTGTTTAATTGGTTATCA
GAAACACTAGCAAAATGCGCGCCATTCTGATGCATCTCTGACAGACACAGTCAACAAAGCC
TTAGGATTGAGCACTGATGATGCCTATGAAGAGCTGAGGCAAAAACATGAGTATGAGTTG
AACTCTACCCAGATAAGAAAGACTATGAGCAGCCTACTTGTGCAAAAGTTGAAAATGCA
CAGTTTAAGGGTACTCAGAGCTTATTACTAGAAGTTGATGCAACATCTAAGTATTCTGTT
GCTATTTCTACCAGCGAAGTGGGCACTGACCATAAGCTACATTTGAAAGAAGATCCAAAT
TTAATTAGCGTGAATAATTTTGAAGATTGCAGTTTGTGTCCAGTGTTCCCATTTGAACAT
  
```



[View online »](#)

```

GGATTTCTAGACAACAGTCTAAGTCAAATAATGTTGAAGAGACTGAAATACATTGGAAA
CTGATTCCAATTACAGGAGGGAATGCAAGAAGCCCAGAAGACCAGCTGGGGAAACATGGT
GAGAAACAAACACCAGACACACTAAAGGGCACCAGTGAAGGATGACGTGTTGACAGGTCAG
GTGGAGGAGCAGTGTGTGCCAGCAGCAGAGGCAGAGCCGCTGCAGTGAGCGAAACCACA
GAGAGGACAGTGTAGGAGAGTACAATCTCTTTCTAGGAAGATAGAAGAGATTTTGAAG
CAAAAGAATGTTTCATATGTCAGTAGAGTTCCACACCTATCTTTCAACACAAGAGAAG
ATGAAACGGCTTTCCGAGTTTCATATATTCTAAGACTTCCAAAGCTGGTGTGCAGGAGTTT
GTAGATGGTTTGATGAGAAGCTAAATACTATTATTATTAAGCATCAGCCAAGGTGGG
AATTTGCCACCAGTCAGTCCTAACGATTCTGGTGCTAAGATAGCATCGAATCCTCTGGAA
AGGCATGTCATACCAGTTTCCTCAAGTGACTTCAACAATAAACATCTCCTTGAGCCACTG
TGATGTATCCTTTGAAAGATACCAACTCTGATGAGCAGCATTCCACTTCGGCTTTAACT
GAAGTAGAAATGAACCAGCCTCAACATGCCACAGAGTTAATGGTGACTTCTGATCATATT
GTACCTGGTGATATGGCCCGGAACCAGTAGAAGAAACAACAAATCCCCAGTGATGTA
AACATTTCTGCTCAACCAGCTCTTTCAAATTTTATAAGCCAGTTAGAACCTGAAGTATTT
AATAGTTTGGTTAAAATCATGAAAGACGTCCAGAAAAATCTGTGAAATTTTATATTCAT
GAAGAAGAAGAGAGTGTGCTCTGTAAAGAAATAAAGGAATATCTTATCAAATTAGGCAAT
ACAGAATGTCATCCTGAACAGTTTTTGGAAAGAAGATCAAAATTAGATAAACTATTGATT
ATTATTCAAAAATGAAGACATTGCAGTTTTATTACAAAGATACCTGGCTTGGTGACTTTA
AAGAAGCTCCCCTGTGTTAGTTTTGCTGGTGTTGATAGCTGGATGATGTTAAAAATCAT
ACATACAAATGAATTATTTGTATCTGGAGTTTTATCGTATCTGATGAATCAATTCTAAAC
CCAGAGGTTGTCACAGTTGAGAACCTTAAAAATTTTTTGACATTCCTTGAGGAACCTTAGT
ACTCCAGAAGGAAAAATGGCAATGGAAAGTCCACTGTAAATTTGAGAAGAACTAAAGGAA
CTAGGCAGATTGAATGCTAAAGCTCTAAGTCTGTTGACGCTTCTGAATGTCTATCAGAAG
AAACATCTGGTTGAAATTTTGTACATACCACAATTGTGATTACAAACTCGAAATGCTCCA
GAATTGGATTGCCTTATCAGACTTCAGGCTCAGAACATACAGCAACGACACATAGTCTTT
TTAACAGAGAAGAACATCAAGATGCTTTCCAGTTATACAGATAATGGAATAGTGGTTGCA
ACTGCTGAAGACTTCATGCAAACTTTAAAAATCTTGTGGGCTATCACAATTCATCACA
GAAGAAAACCTTCCACAGCTTGGTGCTAATGAGAATCTTGAGTCGCAGTCAGCTCTTTTA
GAAAACGATGAAAAGGATGAAGAGGATATGTCTCTGGATTGAGGGATGAAATCTCACAT
ATAGAAGTATGCAGCAATTTTCATTGAGAAATATGGGAGAAAGAGACCAAGGATCACGT
GGAACAGATCAAAAAAGAATACTCAAATTGAGTTGCAATCGTCTCCTGATGTGCAAAAC
AGTTTATTAGAAGATAAGACTTACCTTGATTCTGAAGAGAGAAGTCTATTGATATAGTA
TGCTCTGAAGGAGAGAACAGCAATTCAACAGAACAAAGATTCATATAGTAACTTTCAGGTT
TATCATAGTCAATTAAATATGTCCATCAGTTTAGTCATTTTAAATGTTCTCACTCATCAG
ACATTTTTGGGGACCATATGCCCTTTCATCAAGTCAGTCTCAAGAAAATGAGAATTAC
TTCTTATCTGCTTATACTGAAAGCTTGGATAGAGATAAATCTCCACCTCCCTTAAGTTGG
GGGAAAAGTGATTCTTCCAGGCCATATTCACAAGAGAAATAA

```

Clone variation with respect to NM_015224.3

1826 c=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015224 unedited
 NNCCTGTTCAAATTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGCTTGA
 ATATTCATGAATGCTCCTGCTTCAGGCCTCTGCATTTGCTGTTCTCTCACTTTCCCCAG
 TAAGCTGCATAATTCATTCTACATTTCTTCACGTATTTCTTATGATTGAGGTTTCTCTG
 TTTTTTTTTTACCTCTATACTCTTATGCTCTTTTTATAGCACTGAAAACCATCATGAT
 CTGTTATATATCATTGTTTTCTGCTTCCTCATTAGATTTATGTAGGTTGGAACCTTGTT
 CTGTTTATCTCTATAATCCTATTACCTAGAAGTGTGCCTGGTAAATAAGAGCTTAGTATG
 TATTTACTGAATGATGAATTAATATATTTATATATTGAGGCTGTGCTTCTAATGTCAGC
 AAAATAATTGACAAGAGACTTTGGTGGACACTGTTCTCTTGGTTAATATTTTTGGAAA
 AAACAACCTCCCTTAAATTTGGGTAATGTGTAATTTGAGCGAAGTAAGTACCTTCTGTT
 TTCTCTAAGTAGACTTGGATTTACTAGACTTTGTAATGAAGTAATTTCTTTGTTCTTCT
 ACCTGGAGGAAGGACTTAACTGTAGTATGCCATTAATAATGCACTTATATCATCTTACA
 TGTTAATTTTTATGATATACTANATGAGTAATGGTTTTCTTTTTCTTTAAAAAATTT
 GTAGATCTAACAGCTTTAATACAGATAGAAACATAGATAAATACTATACCTTGNGGG
 AAAGGGACAGCTNTTAAATAAGAAACCTTTTTGGGTTAATTNNTCTGAGTCAGCCACT
 CGTGGCTTTTTGCTATCAACACCTGAAAATTTAAAGTTGAACGCTTTGAAATATGGA
 TCTCTGAAACAGAAATCN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015224 unedited
 NTTCTCGTTGNACGCGCGCGCTTTTAGNATCGAGTTTTTTTTTTTTTTTTTATGTTAA
 AAATATATATTTATTTCAATTTTAGATGCTTCAACTGTTACAGGCCATCATGATTTAA
 TAAAAAAAAAACATTTGAGAAAGAACAAGAACCTTTGTTTAGAGAAATGAAATATAAT
 TGTTAATAAACAAAGTCCACAACATCTCTAAAAAAGTTACTACAGTTATTTCTCT
 TGTGAATATGGCCTGGAAGAATCACTTTCCCACTTAAGGGAGGTGGAGATTTATCT
 CTATCCAAGCTTTCAGTATAAGCAGATAAGAAGTAATTCATTTCTTGAGACTGACTT
 GATGAAAGGGCATATGGTGTCCCAAAATGTCTGATGAGTGAGAACATTAATGACTA
 AACTGATGGGACATATTTAATTGACTATGATAAACCTGAAAGTTACTATATGAATCTTGT
 TCTGTTGAATTGCTGTTCTCTCCTTCAGAGCATACTATATCAATAGAAGTTCTCTTTCA
 GAATCAAGGTAAGTCTTATCTTCTAATAAACTGTTTGCACATCAGGAGACGATTGCAAC
 TCAATTTGAGTATTCTTTTTTTGATCTGTTCCACGTGATCCTTTGGTCTTTCTCCCAT
 ATTTCTGAATGAAAATTGCTGCATCTTCTATATGTGAGATTTTCATCCCCTGAATCCAGA
 GACATATNCTCTTCATCCTTTTCATCGTTTTCTAAAAGAGCTACATTTAAAAACAAAA
 GTCCTTCTCTATTGAAAAACACAGTTTGGTTTAAAGTTTTAAATATACACTACTCACAC
 CATATTAACGCGTTCAGGGTCTGCAAGTCCACCATTCCCTTAAGCCTTGTCTTCTGCCA
 CCAGATCACTTAGTCACAACACTT

Restriction Sites:

NotI-NotI

ACCN:

NM_015224

Insert Size:

5450 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:	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_015224.1 , NP_056039.1
RefSeq Size:	7125 bp
RefSeq ORF:	3702 bp
Locus ID:	23272
UniProt ID:	Q9UK61
Cytogenetics:	3p14.3

Gene Summary:

Component of the HUSH complex, a multiprotein complex that mediates epigenetic repression (PubMed:26022416, PubMed:28581500). The HUSH complex is recruited to genomic loci rich in H3K9me3 and is required to maintain transcriptional silencing by promoting recruitment of SETDB1, a histone methyltransferase that mediates further deposition of H3K9me3, as well as MORC2 (PubMed:26022416, PubMed:28581500). Also represses L1 retrotransposons in collaboration with MORC2 and, probably, SETDB1, the silencing is dependent of repressive epigenetic modifications, such as H3K9me3 mark. Silencing events often occur within introns of transcriptionally active genes, and lead to the down-regulation of host gene expression (PubMed:29211708). The HUSH complex is also involved in the silencing of unintegrated retroviral DNA by being recruited by ZNF638: some part of the retroviral DNA formed immediately after infection remains unintegrated in the host genome and is transcriptionally repressed (PubMed:30487602).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks several 5' coding exons and uses a downstream start codon compared to variant 4. The encoded isoform (b) has a shorter N-terminus compared to isoform d. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.