

Product datasheet for **SC330477**

TEA domain family member 2 (TEAD2) (NM_001256662) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TEA domain family member 2 (TEAD2) (NM_001256662) Human Untagged Clone
Tag: Tag Free
Symbol: TEAD2
Synonyms: ETF; TEAD-2; TEF-4; TEF4
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330477 representing NM_001256662.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

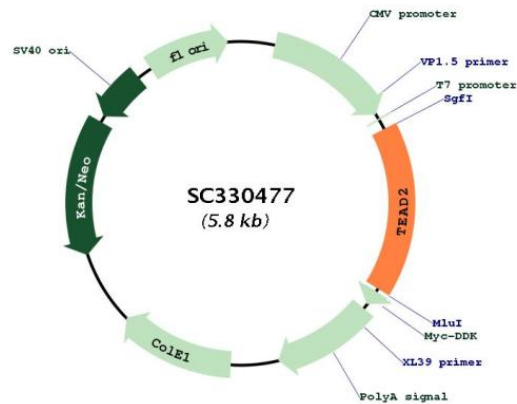
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ATGGCAACCATGTCTCTGCCAGCTCATCTCCGCGCCTTCTCTGCAGGCCAAACTGGGTCCCCTGGT
CCTCAGGTGGTCCAGGCCTCTGAGCTTTTCCAGTTTTGGTCTGGAGGATCTGGGCCCCCTGGAATGTT
CCAGATGTGAAGCATTCTCACAGACACCGTTCACCTTGCACTGACTCCCCATCTACTGACCTCCA
GGGTACGAGCCCCCAAGCCCTCTCACCCCTGCCCCACCTACCCCATCGCCCCAGCCTGGCAGGCT
CGGGCCCTGGGCACCGCCGGTTCAGCTGGTAGAGTTCTCAGCCTTCGTGGAACCGCCAGATGCAGTT
GATTCTTACCAGAGGCACCTGTTCTGTCACATCAGCCAGCACTGCCCCAGCCCCGGAGCGCCGCTC
GAGAGTGTGGACGTCCGGCAGATCTACGACAAATTCCTGAGAAAAAGGGTGGCCTCCGAGAGCTATAT
GATCGTGGCCCCCCCATGCCTTCTTCTGGTCAAGTTCTGGGCGGACCTGAACTGGGGCCCAAGTGGT
GAGGAGGCAGGGCCGGTGGCAGCATCAGCAGTGGTGGCTTCTACGGAGTGAGCAGCCAGTATGAGAGC
CTGGAACACATGACCCTCACCTGTTCTCCAAGTCTGCTCTTTTGGCAAGCAGGTGGTGGAGAAGGTG
GAGACGGAACGGGCCAGCTGGAGGACGGCAGATTTGTGTACCGCTGCTGCGCTCGCCCATGTGCGAG
TACCTGGTGAATTTCTTGACAAGTTGCGGCAGCTGCCTGAGCGATACATGATGAACAGCGTCTGGAA
AACTTCACCATCCTCCAGGTGGTGACAAACAGAGACACCCAGGAAGTCTGCTCTGCACCGCCTATGTC
TTCGAGGTCTCCACCAGCGAGCGTGGGGCCAGCATCACATTTACCGCCTGGTCAGGGACTGA
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001256662

Insert Size: 960 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:

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_001256662.1](#)

RefSeq Size: 1967 bp

RefSeq ORF: 960 bp

Locus ID: 8463

UniProt ID: [Q15562](#)

Cytogenetics: 19q13.33

Protein Families: Transcription Factors

MW: 35.4 kDa

Gene Summary: Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Acts by mediating gene expression of YAP1 and WWTR1/TAZ, thereby regulating cell proliferation, migration and epithelial mesenchymal transition (EMT) induction. Binds to the SPH and GT-IIC 'enhancers' (5'-GTGGAATGT-3'). May be involved in the gene regulation of neural development. Binds to the M-CAT motif. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (6) differs in the 5' UTR and has multiple differences in the coding region, including the use of a downstream, in-frame start codon, compared to variant 1. The encoded isoform (4) has a shorter N-terminus compared to isoform 1.