

Product datasheet for **MC212496**

Yeats2 (NM_001145931) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Yeats2 (NM_001145931) Mouse Untagged Clone
Tag: Tag Free
Symbol: Yeats2
Synonyms: BC042768; mKIAA1197
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212496 representing NM_001145931
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTGGAATCAAGCGAACAATCAAAGAACTGACCCTGATTATGAGGATGTATCTGTGGCCCTTCCAA
ATAAGCGGCATAAAGCGATTGAGAGTTCAGCTCGAGATGCAGCTGTGCAGAAAATTGAGACTATTATTAA
GGAGCAGTTTGTCTTTGAGATGAAGAATAAGGAACATGAGATTGATGTCATTGACCAGCGACTGATTGAA
GCCAGGAGGATGATGGATAAGCTCCGGGCTGCATTGTAGCAAATATTATGCCTCCGCTGGTCTCCTGA
AGGTTTCTGAGGGATTAAGACATTTGATCCGATGGCTTTTAATCACCTGCTATCAAGAAATTTTGGAA
ATCACCTTCTAGGTTCATCATCTCCTACCAATCAGAGATCAGAAACACCATCTGCCAATCACTCTGAAAGT
GACTCTTTATCTCAGCACAATGACTTCTGTCTGACAAAGACAATAACAGCAACGTGGATGTGGAGGAAA
GACCCCAAGCACCGGGGAACAGCGACCGAGCCGAAAGGCAGGAAGGGACACGTCTAGTATCAGTGGCTC
CCACAAACGGGAACACGGAATGCTGACCTCACAGGAGATGAGACTTCACGACTGTTTGTCAAGAAAACG
ATAGTAGTCGGCAACGTGTCCAAGTACATACCTCCAGATAAGCGGGAAGAAAATGACCAGTCAACCCATA
AGTGGATGGTATATGTCGGAGGGTCGCGTAGAGAGCCAGCATTAACTTTGTCAAGAAAGTTTGGTT
TTTCCTTCATCCTAGCTATAAACCAAACGATCTTGTGGAAGTTAGAGAGCCCCCTTTCATCTGACTAGA
AGAGGCTGGGGTGAAGTTTCTGTGAGAGTGCAAGTTCACTTTAAGGACAGCCAGAACAAGCGGATAGATA
TCATACACAACCTGAAGTACT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001145931
Insert Size: 936 bp



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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_001145931.1</u> , <u>NP_001139403.1</u>
RefSeq Size:	2347 bp
RefSeq ORF:	936 bp
Locus ID:	208146
Cytogenetics:	16 A3
Gene Summary:	<p>Chromatin reader component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4. YEATS2 specifically recognizes and binds histone H3 crotonylated at 'Lys-27' (H3K27cr). Crotonylation marks active promoters and enhancers and confers resistance to transcriptional repressors.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) includes an alternate segment at the 3' end compared to variant 1. This results in a frame-shift and a shorter isoform (3) with a distinct C-terminus compared to isoform 1.</p>