

Product datasheet for **SC113663**

STEAP3 (NM_018234) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STEAP3 (NM_018234) Human Untagged Clone
Tag:	Tag Free
Symbol:	STEAP3
Synonyms:	AHMIO2; dudlin-2; dudulin-2; pHyde; STMP3; TSAP6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113663 sequence for NM_018234 edited (data generated by NextGen Sequencing)

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ATGCCAGAAGAGATGGACAAGCCACTGATCAGCCTCCACCTGGTGGACAGCGATAGTAGC
CTTGCCAAAGTCCCCGATGAGGCCCCCAAAGTGGGCATCCTGGGTAGCGGGGACTTTGCC
CGCTCCCTGGCCACACGCCTGGTGGGCTCTGGCTTCAAAGTGGTGGTGGGAGCCGCAAC
CCCAAACGCACAGCCAGGCTGTTTCCCTCAGCGGCCAAAGTGACTTCCAAGAGGAGGCA
GTGAGCTCCCCGGAGGTCACTTTTGTGGCTGTGTTCCGGGAGCACTACTCTTCACTGTGC
AGTCTCAGTGACCAGCTGGCGGGCAAGATCCTGGTGGATGTGAGCAACCCTACAGAGCAA
GAGCACCTTCAGCATCGTGAGTCCAATGCTGAGTACCTGGCCTCCCTCTTCCCCACTTGC
ACAGTGGTCAAGGCCTTCAATGTCATCTCTGCCTGGACCCTGCAGGCTGGCCCAAGGGAT
GGTAACAGGCAGGTGCCATCTGCGGTGACCAGCCAGAAGCCAAGCGTGTCTCGGAG
ATGGCGCTCGCCATGGGCTTCATGCCCGTGACATGGGATCCCTGGCGTCAGCCTGGGAG
GTGGAGGCCATGCCCTGCGCCTCCTCCCGCCTGGAAGGTGCCACCCTGCTGGCCCTG
GGGCTCTTCGTCTGCTTCTATGCCTACAACCTCGTCCGGGACGTTCTGCAGCCCTATGTG
CAGGAAAGCCAGAACAAGTTCTTCAAGTGCCCGTGTCCGTGGTCAACACCACACTGCCG
TGCGTGGCCTACGTGCTGCTGCTACTCGTGTACTTGCCCGGCGTGTGGCGGCTGCCCTG
CAGCTGGCGGCGGGCACCAAGTACCAGCGCTTCCCGACTGGCTGGACCCTGGCTACAG
CACCGCAAGCAGATCGGGCTGCTCAGCTTCTTCTGCGCCGCCCTGCACGCCCTTACAGC
TTCTGCTTGCCGCTGCGCCGCGCCACCCTACGACCTGGTCAACCTGGCAGTCAAGCAG
GTCTTGGCCAACAAGAGCCACCTCTGGGTGGAGGAGGAGTCTGGCGGATGGAGATCTAC
CTCTCCCTGGGAGTGTGGCCCTCGGCAGTGTCCCTGCTGGCCGTGACCTCACTGCCG
TCCATTGCAAACCTCGCTCAACTGGAGGGAGTTCAGCTTCGTTCACTCCTCACTGGGCTTT
GTGGCCCTCGTGTGAGCACACTGCACACGCTCACCTACGGCTGGACCCGCGCCTTCGAG
GAGAGCCCGCTACAAGTTCTACCTGCCTCCACCTTCACGCTCACGCTGCTGGTGCCTGC
GTCGTATCCTGGCCAAAGCCCTGTTTCTCCTGCCTGCATCAGCCGAGACTCGCCAGG
ATCCGGAGAGGCTGGGAGAGGGAGACCATCAAGTTCACGCTGCCACAGACCACGCC
CTGGCCGAGAAGACGAGCCACGTATGA
    
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Clone variation with respect to NM_018234.2

5' Read Nucleotide Sequence: >OriGene 5' read for NM_018234 unedited

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TCAAATTTGTATACGACTCATATAGCGGCCGCGAAATTCGCACCAGGTTCAAGCGATTC
TCCTGCTTCAGCCTCCGGAGTAGCTGGGATTACAGGCACGTGCCAACACCCAGCCACC
AAAATGCCAGAAGAGATGGACAAGCCACTGATCAGCCTCCACCTGGTGGACAGCGATAGT
AGCCTTGCCAAGGTCCCCGATGAGGCCCCCAAAGTGGGCATCCTGGGTAGCGGGGACTTT
GCCCGCTCCCTGGCCACACGCCTGGTGGGCTCTGGCTTCAAAGTGGTGGTGGGAGCCGC
AACCCCAAACGCACAGCCAGGCTGTTTCCCTCAGCGGCCAAAGTGACTTCCAAGAGGAG
GCAGTGAGCTCCCGGAGGTCACTTTTGTGGCTGTGTTCCGGGAGCACTACTCTTCACTG
TGCAGTCTCAGTGACCAGCTGGCGGGCAAGATCCTGGTGGATGTGAGCAACCCTACAGAG
CAAGAGCACCTTCAGCATCGTGAGTCCAATGCTGAGTACCTGGCCTCCCTCTTCCCCACT
TGCACAGTGGTCAAGGCCTTCAATGTCATCTCTGCCTGGACCCTGCAGGCTGGCCCAAGG
GATGGTAACAGGCAGGTGCCATCTGCGGTGACCAGCCAGAAGCCAAGCGTGTCTCTCG
GAGATGGCGCTCGCCATGGGCTTCATGCCCGTGACATGGGATCCCTGGCGTCAGCCTGG
GAGGTGGAGGCCATGCCCTGCGCCTCCTCCCGCCTGGAAGGTGCCACCCTGCTGGCC
CTGGGGCTCTTCGTCTGCTTCTATGCCTACAACCTCGTCCGGGACGTTCTGCAGCCCTAT
GTGCAGGAAAGCCAGGACAAGTTCTTTCAGCTTGCCGTGTCCGTGGTCAACACCACACTGC
CGTGCCTGGCCTACTGCTGCTGCTACTGTGACTTGCCCGGGTGTGTGCTGCTGCTGCT
    
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Protein Families: Transmembrane

Protein Pathways: p53 signaling pathway

Gene Summary: This gene encodes a multipass membrane protein that functions as an iron transporter. The encoded protein can reduce both iron (Fe³⁺) and copper (Cu²⁺) cations. This protein may mediate downstream responses to p53, including promoting apoptosis. Deficiency in this gene can cause anemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]

Transcript Variant: This variant (2) lacks an exon and contains an alternate exon in the 5' region, and initiates translation at a downstream start codon compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform (b). 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.