

Product datasheet for **MC227969**

Steap2 (NM_001285469) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Steap2 (NM_001285469) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Steap2
Synonyms:	4921538B17Rik; AI930049; AW045895; IPCA-1; IPCA1; PCANAP1; STAMP1; STMP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227969 representing NM_001285469
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAATCCATCTCTATGATGGGAAGCCCTAAGAGCCTGGAGACGTTTTTGCCTAATGGCATAAATGGTA
 TCAAAGACGCAAGGCAGGTCACCGTGGGGGTGATAGGAAGTGGGGATTTTGCCAAGTCTCTGACCATTCC
 GCTTATTAGATGTGGCTACCACGTGGTCATAGGAAGCAGAAATCCCAAGTTTGCATCAGAATTTTTCT
 CACGTGGTAGACGTCACCCACCATGAAGATGCTTTAACAAAAACAAATAAATATTCTGGCTATCCATA
 GAGAACATTACACCTCCTTGTGGGACCTGAGACATCTGCTTGTGGGCAAATCCTCATTGATGTGAGCAA
 CAACATGAGAGTAAACCAGTACCAGAATCCAATGCAGAGTACCTGGCTTCATTATCCCGGACTCCTTG
 ATTGTCAAAGGATTTAATGTGATCTCAGCTTGGGCACTCAGTAGGTCCCAAGGATGCCAGCCGCCAGG
 TTTATATATGCAGCAACAATATCCAAGCTCGACAGCAGGTTATCGAGCTCGCCGCCAGCTGAATTTTAT
 TCCTGTTGACTGGGATCTTTGTCGTCAGCCAAGGAGATTGAAAACCTTACCTCTGCGACTGTTTACTCTC
 TGGAGGGGGCCAGTGGTAGTAGCCATAAGCTTGGCCACATTTTTCTTTCTTTATTCTTTGTGAGAGATG
 TGATACATCCATATGCCAGAAACCAGCAGAGTGACTTTTACAAGATCCCATGAGATTGTGAACAAAAC
 CTTGCCGATCGTCGCCATCACCTGCTGTCTCTGGTGTACCTGGCTGGCCTCCTGGCAGCTGCGTATCAG
 CTTTATTATGGCACTAAGTACCGCCGATTTCCCGTGGCTGGATACTTGGTGCAGTGCAGGAAACAGC
 TGGGATTGCTGAGCTTCTTTTGCAGTTGTTACGTAGCCTACAGCCTCTGCTTACCAATGAGGAGGTC
 GGAAAGATACTGTTCTCAACATGGCTTATCAGCAGGTTTCATGCCAATATTGAGAACCGGTGGAACGAG
 GAGGAGGTCGGAGGATTGAGATGTACATTTCCCTTGGCATCATGAGCCTGGGCTTGTGTCCCTGCTGG
 CGTCACTTCCATCCCATCAGTGAGCAACGCTTTGAACCTGGAGAGATTTCAGTTTCCAGTCCAGTCACTACG
 TGGCTACGTCCGCTGCTCATCACGACCTTCCAGTGTTAATTTACGGATGGAAGCGTGGGTTTGCAGAA
 GAGTACTACCGCTTTTACACACCACAACTTCGTTCTTGCCTCGTTTTGCCCTCCATTGTAATTCTGG
 GTAAGATGATATTACTCTCCCATGCATAAGCCGAAAGCTAAAACGAATTAAGGAGGCTGGGAAAAGAG
 CCAGTTTCTAGACGAAGGCATGGGAGGAGCGGTTCTCATCTGCCCCAGAGAGGGTCCACAGTGT**GTA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001285469

Insert Size: 1470 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001285469.1](#), [NP_001272398.1](#)

RefSeq Size: 10250 bp

RefSeq ORF: 1470 bp

Locus ID: 74051

UniProt ID: [Q8BWB6](#)

Cytogenetics: 5 A1

Gene Summary: Metalloreductase that has the ability to reduce both Fe(3+) to Fe(2+) and Cu(2+) to Cu(1+). Uses NAD(+) as acceptor.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, 4, and 5 encode the same isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.