

Product datasheet for **MC216858**

Steap2 (NM_028734) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Steap2 (NM_028734) 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: >MC216858 representing NM_028734
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGAATCCATCTCTATGATGGGAAGCCCTAAGAGCCTGGAGACGTTTTTGCCTAATGGCATAAATGGTA
TCAAAGACGCAAGGCAGGTCACCGTGGGGGTGATAGGAAGTGGGGATTTGCCAAGTCTCTGACCATTCC
GCTTATTAGATGTGGCTACCACGTGGTCATAGGAAGCAGAAATCCCAAGTTTGCATCAGAATTTTTCT
CACGTGGTAGACGTCACCCACCATGAAGATGCTTTAACAAAAACAATAAATATTCGTGGCTATCCATA
GAGAACATTACACCTCCTGTGGGACCTGAGACATCTGCTTGTGGGCAAATCCTCATTGATGTGAGCAA
CAACATGAGAGTAAACCAGTACCAGAATCCAATGCAGAGTACCTGGCTTCATTATCCCGACTCCTTG
ATTGTCAAAGGATTTAATGTGATCTCAGCTTGGGCACTCAGCTAGGTCCAAGGATGCCAGCCGCCAGG
TTTATATATGCAGCAACAATATCCAAGCTCGACAGCAGGTTATCGAGCTCGCCGCCAGCTGAATTTTAT
TCCTGTTGACTGGGATCTTTGTCGTCAGCCAAGGAGATTGAAAACCTTACCTCTGCGACTGTTTACTCTC
TGGAGGGGGCCAGTGGTAGTAGCCATAAGCTTGGCCACATTTTTCTTTCTTTATTCTTTGTGAGAGATG
TGATACATCCATATGCCAGAAACCAGCAGAGTGACTTTTACAAGATCCCATGAGATTGTGAACAAAAC
CTTGCCGATCGTCGCCATCACCTGCTGTCTCTGGTGTACCTGGCTGGCCTCCTGGCAGCTGCGTATCAG
CTTTATTATGGCACTAAGTACCGCCGATTTCCCGTGGCTGGATACTTGGTGCAGTGCAGGAAACAGC
TGGGATTGCTGAGCTTCTTTTGCAGTTGTTACAGTACGCTACAGCCTCTGCTTACCAATGAGGAGGTC
GGAAAGATACCTGTTCTCAACATGGCTTATCAGCAGGTTTCATGCCAATATTGAGAACCGGTGGAACGAG
GAGGAGGTCGGAGGATTGAGATGTACATTTCTTTGGCATCATGAGCCTGGGCTTGTGTCCCTGCTGG
CGGTCACCTCCATCCCATCAGTGAGCAACGCTTTGAACCTGGAGAGAGTTTCAGTTTCATCCAGTCTACGCT
TGGCTACGTCGCCCTGCTCATCACGACCTTCCACGTGTTAATTTACGGATGGAAGCGTGGGTTTGCAGAA
GAGTACTACCGCTTTTACACACCACAACTTCGTTCTTGCCCTCGTTTTGCCCTCCATTGTAATTCTGG
GTAAGATGATATTACTCTCCCATGCATAAGCCGAAAGCTAAAACGAATAAAAAGGGCTGGGAAAAGAG
CCAGTTTCTAGACGAAGGCATGGGAGGAGCGGTTCTCATCTGTCCCGAGAGGGTCCACAGTGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_028734

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).

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_028734.5](#), [NP_083010.2](#)

RefSeq Size: 10398 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 (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, 4, and 5 encode the same isoform (1). 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.