

## Product datasheet for **MC227507**

### Steap2 (NM\_001285471) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Steap2 (NM_001285471) 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
Fully Sequenced ORF:	>MC227507 representing NM_001285471 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGGAATCCATCTCTATGATGGGAAGCCCTAAGAGCCTGGAGACGTTTTTGCCTAATGGCATAAATGGTA  
TCAAAGACGCAAGGCAGGTACCGTGGGGTGATAGGAAGTGGGGATTTGCCAAGTCTCTGACCATTCCG  
GCTTATTAGATGTGGCTACCACGTGGTCATAGGAAGCAGAAATCCAAGTTTGCATCAGAATTTTTCT  
CACGTGGTAGAGTCAACCACCATGAAGATGCTTTAACAACAAAATAAATAATATTCGTGGCTATCCATA  
GAGAACATTACACCTCCTTGTGGGACCTGAGACATCTGCTTGTGGGCAAAATCCTCATTGATGTGAGCAA  
CAACATGAGAGTAAACCAGTACCCAGAATCCAATGCAGAGTACCTGGCTTCATTATCCCGGACTCCTTG  
ATTGTCAAAGGATTTAATGTGATCTCAGCTTGGCACTTCAGCTAGGTCCAAGGATGCCAGCCGACAGG  
TTTATATATGCAGCAACAATATCCAAGCTCGACAGCAGGTTATCGAGCTCGCCCGCAGCTGAATTTAT  
TCCTGTTGACTTGGGATCTTGTCTGTCAGCCAAGGAGATTGAAAACCTTACCTCTGCGACTGTTTACTCTC  
TGGAGGGGGCCAGTGGTAGTAGCCATAAGCTTGGCCACATTTTTCTTTTATTCCTTTGTGAGAGATG  
TGATACATCCATATGCCAGAAACCAGCAGAGTGACTTTTACAAGATCCCATTTGAGATTGTGAACAAAAC  
CTTGCCGATCGTCGCCATCACCTGTCTCTGGTGTACCTGGCTGGCCTCCTGGCAGCTCGTATCAG  
CTTTATTATGGCACTAAGTACCGCCGATTTCCCGCTGGCTGGATACTTGGCTGCAGTGCAGGAAACAGC  
TGGGATTGCTGAGCTTCTTTGACGTTGTTACGCTAGCCTACAGCCTCTGCTTACCAATGAGGAGGTC  
GGAAAGATACCTGTTCTCAACATGGCTTATCAGCAGGTTTATGCCAATATTGAGAACCGGTGGAACGAG  
GAGGAGGCTGGAGGATTGAGATGTACATTTCTTTGGCATCATGAGCCTGGGCTTGTGTCCCTGCTGG  
CGGTCACTTCCATCCATCAGTGAACGCTTTGAACTGGAGAGAGTTCACTTTCATCCAGTGGCCAG  
AGCTGCCCTGTCTCTAG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-RsrII
<b>ACCN:</b>	NM_001285471
<b>Insert Size:</b>	1209 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001285471.1, NP_001272400.1</u>
<b>RefSeq Size:</b>	4624 bp
<b>RefSeq ORF:</b>	1209 bp
<b>Locus ID:</b>	74051
<b>Cytogenetics:</b>	5 A1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (6) differs in the 5' UTR and contains an alternate splice site in the 3' terminal exon, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to 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.</p>