

## Product datasheet for **MR229718**

### Steap2 (NM\_001285471) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Steap2 (NM\_001285471) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**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  
**ORF Nucleotide Sequence:** >MR229718 representing NM\_001285471  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAATCCATCTCTATGATGGGAAGCCCTAAGAGCCTGGAGACGTTTTTGCCTAATGGCATAAATGGTA  
 TCAAAGACGCAAGGCAGGTACCGTGGGGTGATAGGAAGTGGGGATTTGCCAAGTCTCTGACCATTCCG  
 GCTTATTAGATGTGGCTACCACGTGGTCATAGGAAGCAGAAATCCAAGTTTGCATCAGAATTTTTCT  
 CACGTGGTAGAGTCAACCACCATGAAGATGCTTTAACAACAAAACAATAATATTCGTGGCTATCCATA  
 GAGAACATTACCTCCTTGTGGGACCTGAGACATCTGCTTGTGGGCAAAATCCTCATTGATGTGAGCAA  
 CAACATGAGAGTAAACCAGTACCCAGAATCCAATGCAGAGTACCTGGCTTCATTATCCCGGACTCCTTG  
 ATTGTCAAAGGATTTAATGTGATCTCAGCTTGGGCACTTCAGCTAGGTCCAAGGATGCCAGCCGACAGG  
 TTTATATATGCAGCAACAATATCCAAGCTCGACAGCAGGTTATCGAGCTCGCCCGCAGCTGAATTTAT  
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 TGGAGGGGGCCAGTGGTAGTAGCCATAAGCTTGGCCACATTTTTCTTTTATTCCTTTGTGAGAGATG  
 TGATACATCCATATGCCAGAAACCAGCAGAGTGACTTTTACAAGATCCCATTTGAGATTGTGAACAAAAC  
 CTTGCCGATCGTCGCCATCACCTGTCTCTGGTGTACCTGGCTGGCCTCCTGGCAGCTGCGTATCAG  
 CTTTATTATGGCACTAAGTACCGCCGATTTCCCGCTGGCTGGATACTTGGCTGCAGTGCAGGAAACAGC  
 TGGGATTGCTGAGCTTCTTTGACAGTTGTTACAGTACGCTACAGCCTCTGCTTACCAATGAGGAGGTC  
 GGAAAGATACCTGTTCTCAACATGGCTTATCAGCAGGTTTATGCCAATATTGAGAACCGGTGGAACGAG  
 GAGGAGGCTGGAGGATTGAGATGTACATTTCTTTGGCATCATGAGCCTGGGCTTGTGTCCCTGCTGG  
 CGGTCACTTCCATCCCATCAGTGAACGCTTTGAACTGGAGAGAGTTTCACTTCCATCCAGTGGCCAG  
 AGCTGCCCTGTCTCC

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 TGGATTACAAGGATGACGACGATAAGGTTTAA



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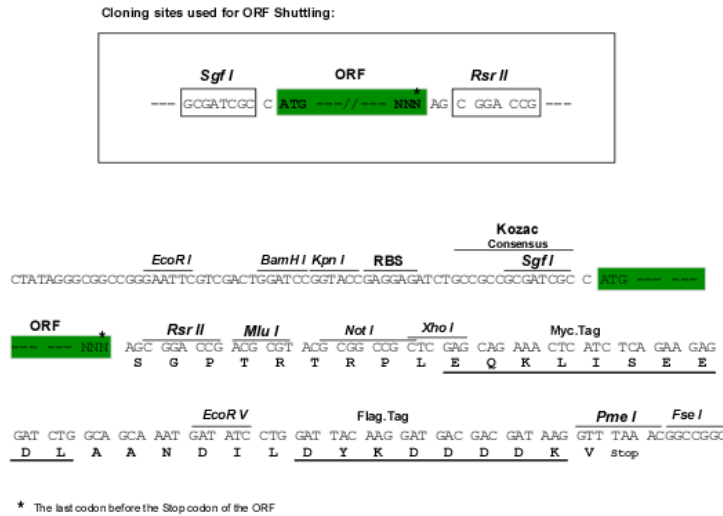
**Protein Sequence:** >MR229718 representing NM\_001285471  
 Red=Cloning site Green=Tags(s)

MESISMMGSPKSLETFLPNGINGIKDARQVTVGVIGSGDFAKSLTIRLIRCGYHVVIGSRNPKFASEFFP  
 HVVDVTHHEDALTKTNIIFVAIHREHYTSLWDLRHLVVKILIDVSNMVRVNPESNAEYLASLFPDSL  
 IVKGFNVISAWALQLGPKDASRQVYICSNNIQARQQVIELARQLNFIIPVDLGSLSAKEIENLPLRFTL  
 WRGPVVVAISLATFFFLYSFVRDVIHPYARNQQSDFYKIPVIEIVNKTLPVAVITLLSLVYLAGLLAAAYQ  
 LYYGTYRRFPPLDWTWLCQRKQLGLLSFFFAVVHVAYSCLCPMRRSERYLFLNMQVQVHANIANAWNE  
 EEVWRIEMYISFGIMSLGLLSLLAVTSPSVSNALNWREFSFIQWPRAALSS

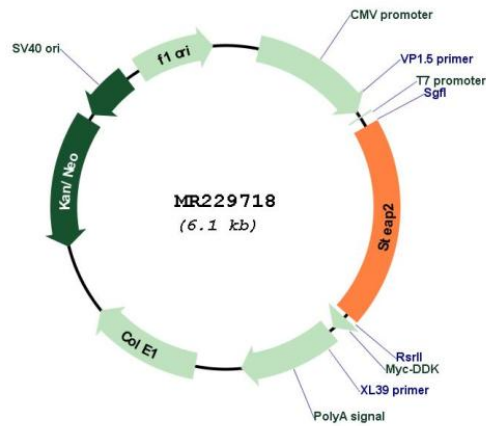
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001285471

<b>ORF Size:</b>	1206 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001285471.1</a> , <a href="#">NP_001272400.1</a>
<b>RefSeq Size:</b>	4624 bp
<b>RefSeq ORF:</b>	1209 bp
<b>Locus ID:</b>	74051
<b>Cytogenetics:</b>	5 A1
<b>MW:</b>	46.3 kDa
<b>Gene Summary:</b>	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]