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Product datasheet for MC227970

Steap2 (NM_001285470) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Steap2 (NM_001285470) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Steap2
Synonyms:	4921538B17Rik; AI930049; AW045895; IPCA-1; IPCA1; PCANAP1; STAMP1; STMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC227970 representing NM_001285470
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAATCCATCTCTATGATGGGAAGCCCTAAGAGCCTGGAGACGTTTTTGCCTAATGGCATAAATGGTA
TCAAAGACGCAAGGCAGGTCACCGTGGGGGTGATAGGAAGTGGGGATTTTGCCAAGTCTCTGACCATTCG
GCTTATTAGATGTGGCTACCACGTGGTCATAGGAAGCAGAAATCCCAAGTTTGCATCAGAATTTTTTCCT
CACGTGGTAGACGTCACCCACCATGAAGATGCTTTAACAAAAACAAATATAATATTCGTGGCTATCCATA
GAGAACATTACACCTCCTTGTGGGACCTGAGACATCTGCTTGTGGGCAAAATCCTCATTGATGTGAGCAA
CAACATGAGAGTAAACCAGTACCCAGAATCCAATGCAGAGTACCTGGCTTCATTATTCCCGGACTCCTTG
ATTGTCAAAGGATTTAATGTGATCTCAGCTTGGGCACTTCAGCTAGGTCCCAAGGATGCCAGCCGCCAGG
TTTATATATGCAGCAACAATATCCAAGCTCGACAGCAGGTTATCGAGCTCGCCCGCCAGCTGAATTTTAT
TCCTGTTGACTTGGGATCTTTGTCGTCAGCCAAGGAGATTGAAAACTTACCTCTGCGACTGTTTACTCTC
TGGAGGGGGCCAGTGGTAGTAGCCATAAGCTTGGCCACATTTTTCTTTCTTTATTCCTTTGTCAGAGATG
TGATACATCCATATGCCAGAAACCAGCAGAGTGACTTTTACAAGATTCCCATTGAGATTGTGAACAAAAC
CTTGCCGATCGTCGCCATCACCCTGCTGTCTCTGGTGTACCTGGCTGGCCTCCTGGCAGCTGCGTATCAG
CTTTATTATGGCACTAAGTACCGCCGATTTCCCCCGTGGCTGGATACTTGGCTGCAGTGCAGGAAACAGC
TGGGATTGCTGAGCTTCTTCTTTGCAGTTGTTCACGTAGCCTACAGCCTCTGCTTACCAATGAGGAGGTC
GGAAAGATACCTGTTCCTCAACATGGCTTATCAGCAGGTTCATGCCAATATTGAGAACGCGTGGAACGAG
GAGGAGGTCTGGAGGATTGAGATGTACATTTCCTTTGGCATCATGAGCCTGGGCTTGTTGTCCCTGCTGG
CGGTCACTTCCATCCCATCAGTGAGCAACGCTTTGAACTGGAGAGAGTTCAGTTTCATCCAGTCTACGCT
TGGCTACGTCGCCCTGCTCATCACGACCTTCCACGTGTTAATTTACGGATGGAAGCGTGCGTTTGCAGAA
GAGTACTACCGCTTTTACACACCACCAAACTTCGTTCTTGCCCTCGTTTTGCCCTCCATTGTAATTCTGG
GTAAGATGATATTACTCCTCCCATGCATAAGCCGAAAGCTAAAACGAATTAAAAAGGGCTGGGAAAAGAG
CCAGTTTCTAGACGAAGGCATGGGAGGAGCGGTTCCTCATCTGTCCCCAGAGAGGGTCACAGTGATGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001285470

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_001285470.1, NP_001272399.1
RefSeq Size:	10215 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 (5) 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.