

Specifications:

Gene:	hSTEAP3
Accession:	NP_060704
Insert size:	1479bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

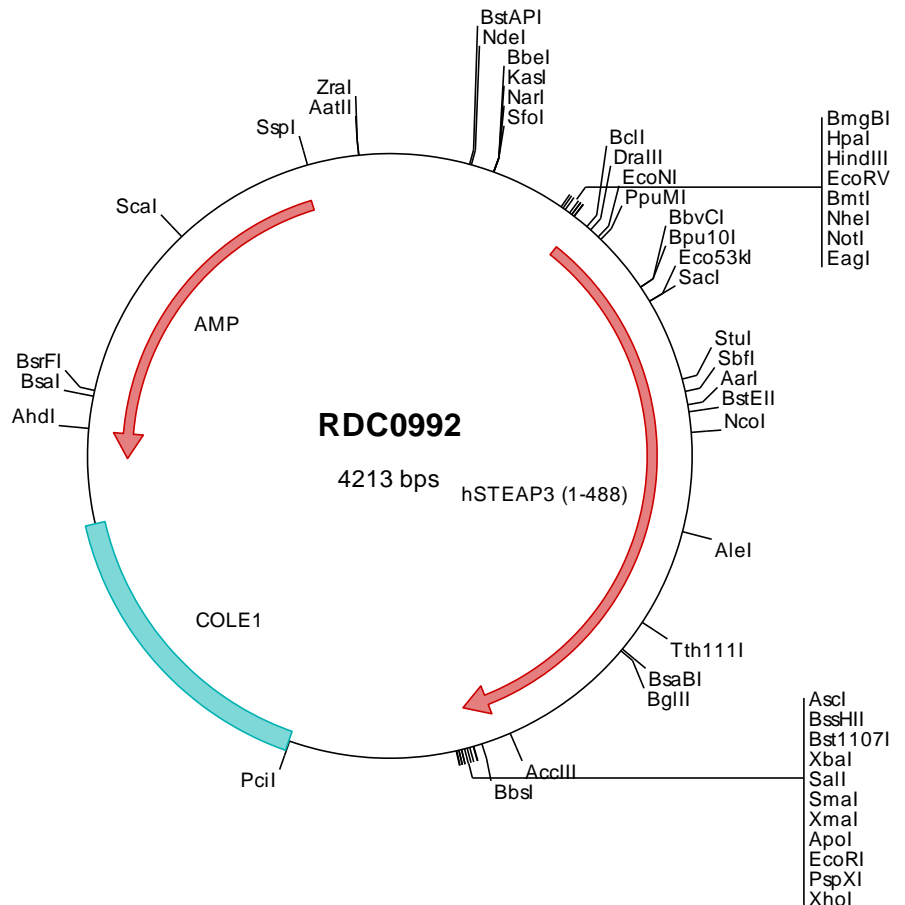
hSTEAP3/TSAP6 cDNA Plasmid

STEAP3 STEAP family member 3,
metalloreductase [*Homo sapiens* (human)]

Also known as: STMP3; TSAP6;
AHMIO2; dudlin-2

Summary:

STEAP3 participates in erythroid iron homeostasis by reducing iron and may also reduce copper, suggesting that it participates in copper homeostasis. STEAP3 is highly expressed in hematopoietic tissues and colocalizes with the transferrin endosome. It may play a role downstream of p53/TP53 to interface apoptosis and cell cycle progression. Alternatively spliced transcripts encoding different proteins have been described.





> RDC0992 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taacggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc ggcccccacc atgccagaag agatggacaa gccactgatc agcctcacc ttgtggacag
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2201 gtattggggc ctcttccgct tctcgtctca ctgactcgtc gcgctcggtc gttcggctgc ggcgagcgg atcagctcac tcaaggcgg taatacggtt
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4101 acaaataggg gttccgcgca cttttccccg aaaagtgcaa cctgacgtct aagaaacat tattatcatg acattaacct ataaaaatag gcgtatcacg
4201 aggcctttc gtc

> RDC0992 Translated Insert Sequence

1 mpeemdikli slhldvsdss lakvpdeapkv gilsgdffa rslatrlvgs gfkvvvgsrn pkrtarlfpv aqvtfqeea vsspevifva vfrehysslc
101 slsdqlagki lvdvsnpseq ehlgfhresna eylaslfptc tvvkafnvls awtlqagprd gnrqvpicgd qpeakravse malangfmpv dmgsilasawe
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301 hrkqigllsf fcaalhalys fclplrrahr ydlvnlavkv vlnkshlww eeewvrmeiy lslglvalgt lslavtstlp sianslnwre fsfvqsslglf
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