

Specifications:

Gene:	hOCSTAMP
Accession:	NP_542452
Insert size:	1714bp
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.

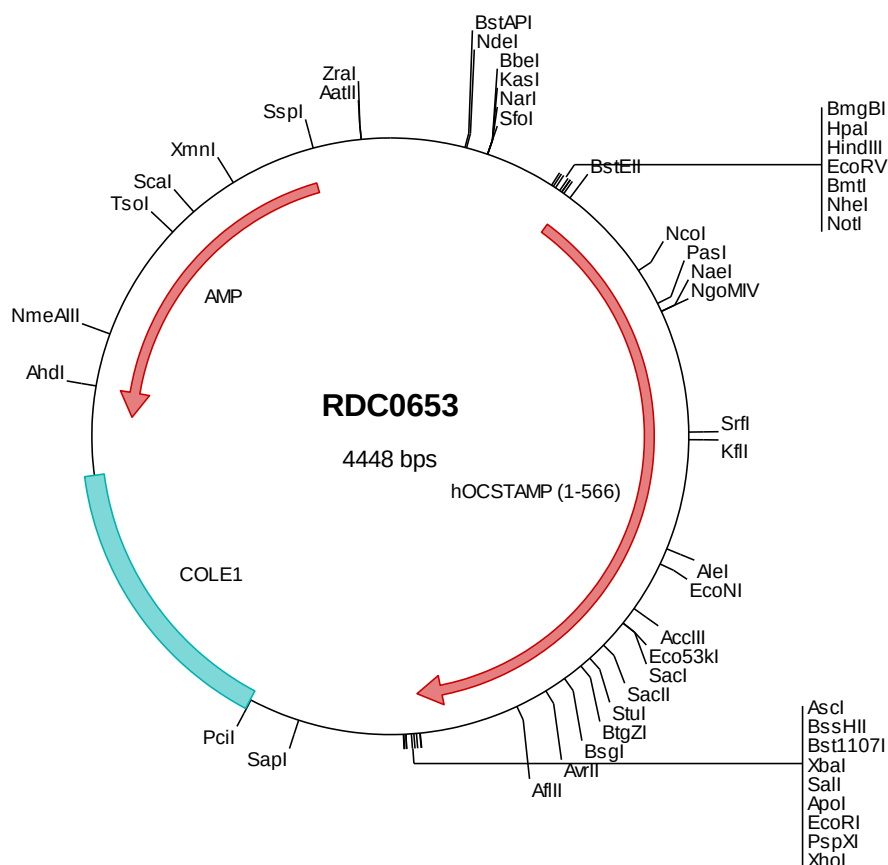
hOCSTAMP cDNA Plasmid

OCSTAMP osteoclast stimulatory transmembrane protein [*Homo sapiens* (human)]

Also known as: OC-STAMP;
C20orf123

Summary:

OCSTAMP is very strongly up-regulated during osteoclast differentiation. It is a multipass transmembrane protein that is highly conserved in mammals and has little homology to other proteins. OCSTAMP cooperates with DCSTAMP in modulating cell-cell fusion in both osteoclasts and foreign body giant cells (FBGCs). It is involved in osteoclast bone resorption and promotes osteoclast differentiation. OCSTAMP may play a role in multinucleated osteoclast maturation.





> RDC0653 Plasmid DNA Sequence

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301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggateccgata tgcgtagcgc ggccgcacac atgccaggtc acccaggagc agctgagcaa cttgtcaaga ccgggtggag
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> RDC0653 Translated Insert Sequence

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201  lrvttqvled fsgleslara aalgtqrvvt glfmlglle sawylhcytl dlrfdnlyat qqltqrlaqa qathllapp twlllqaaqlr lsqeellsl
301  lrlglalll vatavavadt hvafllaqat vdwaqklptv pitltvkydv aytvlgfipf lfnqlapesp flsvhssyqw elrltsarcp llparrpraa
401  aplaagalql lagstvllea yarrlrhaia asfftaqear rvrhlharlq rrhrhrhgqq lplgdpscvp tprpackppa widyrlalr tessegegke
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```