

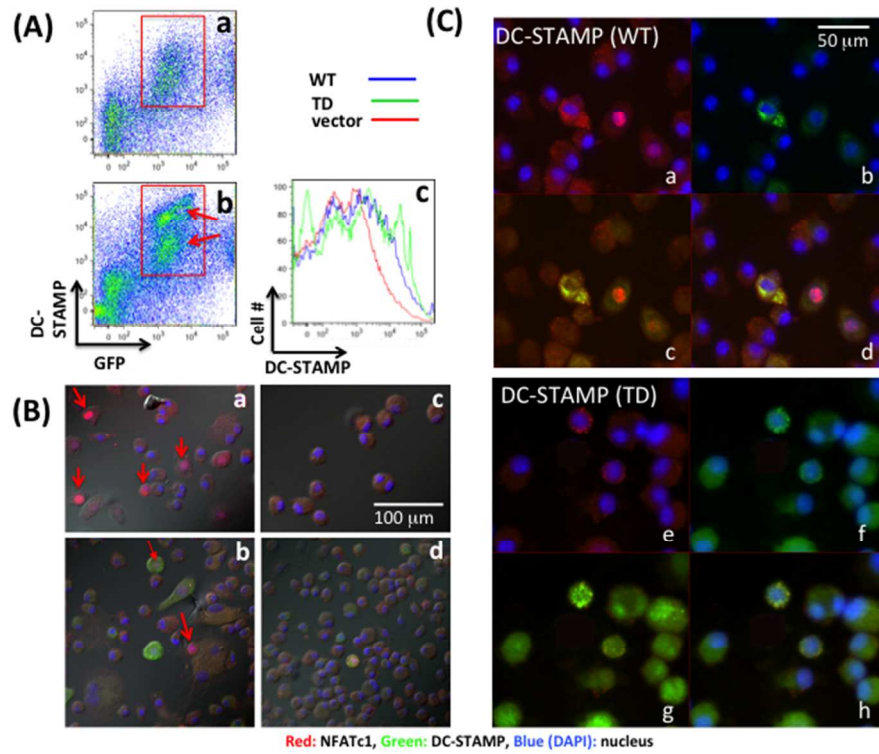
Vector	DC-STAMP	Recipient cells	N'- terminus	C'- terminus	Assay
pCDNA3.1	(1) wt (2) TD	293T cells	none	GFP	confocal microscopy
pMX	(3) wt (4) TD	BMM*	none	GFP	confocal microscopy & osteoclast formation
pCDNA3.1	(5) wt (6) TD	293T cells	Rhodopsin	m-Cherry	confocal microscopy
pMX	(7) wt (8) TD	BMM*	Rhodopsin	GFP	confocal microscopy & osteoclast formation

*BMM= Bone Marrow Macrophage

Supplemental Figure S1

	N^o terminus	TM1	IL1
Rhodopsin	MNGTEGPNFYVPSNKTGVVRSPEAPQYYLAEPW	QFSMLAAYMFLMLGFPINFLTLY	VTVQHKKLRTPLNYY
DC-STAMP	MRLWTLGTSIFLRLWGTYYVFRSPSWLDFIQHLG	VCCFVAFLSVSLFSAAF	YWLP
PA-DCSTAMP	MNGTEGPNFYVPSNKTGVVRSPEAPQYYLAEPW	QFSMLAAYMFLMLGFPINFLTLY	VTVQHKKLRTPLNYY
	TM2	EL1	TM3
Rhodopsin	LLNLAVADLFMVFGGFTTLYTSLH	GYFVFGPTGCNL	EGFFATLGGELWLVVLAIE
DC-STAMP	PVALLSSVWMTCVLCCS	KRARCILLAVLSCGLREGR	NALJAAGTGVVIFGHVENI
PA-DCSTAMP	LLNLAVADLFMVFGGFTTLYTSLH	GYFVFGPTGCNL	EGFFATLGGELWLVVLAIE
	IL2	TM4	EL2
Rhodopsin	RYVVVCKPMSNFRFGENHA	IMGVAFTWVMALACAAPPLVGWS	RYIEGMCQSCGIDYTPHETNN
DC-STAMP	FYNFRGLLDSMTCNLRKSFVHFPLLR	YTEAIQWYGLATPLNLFDD	LVSWNQTIVVSLFSPSHALEAHM
PA-DCSTAMP	FYNFRGLLDSMTCNLRKSFVHFPLLR	IMGVAFTWVMALACAAPPLVGWS	RYIEGMCQSCGIDYTPHETNN
	EL2	TM5	IL3
Rhodopsin	NDTRGEVLGVLIHVMVVTTELLTSVGQK	ESFVIYMFVVIHPIVIFFCYG	QLVFTVKEAAQQESATTQKAEKVTM
DC-STAMP		LLALAGLLLVSTGLFL	KRFLGPCGWKYENVYITKQFVRFDEKERHQ
PA-DCSTAMP		ESFVIYMFVVIHPIVIFFCYG	KRFLGPCGWKYENVYITKQFVRFDEKERHQ
	IL3	TM6	EL3
Rhodopsin		VIIIMVIAFLICWLPYAGVAFYIFT	HQGSDFG
DC-STAMP	QRPCVPLNKKERKKYVIVPSLQLTPKEKKTG	LFLLPVLTYLYMWWLFAAV	DYLLYRLISSMNKQFQSLPGLVHILKL
PA-DCSTAMP	QRPCVPLNKKERKKYVIVPSLQLTPKEKKTG	VIIIMVIAFLICWLPYAGVAFYIFT	HQGSDFG
	EL3	TM7	
Rhodopsin		PIFMTIPAFFAKTSAVYNPVIYIMM	
DC-STAMP	RGEKQGTQGVVHDSAFNISMFEPCPKPRLSVSETWV	PLSHLLTILJLLSSMLM	
PA-DCSTAMP		PIFMTIPAFFAKTSAVYNPVIYIMM	
	cytoplasmic tail		
Rhodopsin	NKQFRNCMVTTLCCGKNPLGDDEASTVSKTETSQVAPA		
DC-STAMP	QLKILVSVSFYPKVERERIEYLHAKLLEKRSKQPLREADGKPSLYFKKIHFVFPVLKMRKKQTIPANEDDL		
PA-DCSTAMP	QLKILVSVSFYPKVERERIEYLHAKLLEKRSKQPLREADGKPSLYFKKIHFVFPVLKMRKKQTIPANEDDL		

Supplemental
Figure S2



Suppl.
Figure S3