

Product datasheet for RG233380

NBL1 (NM_001204085) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

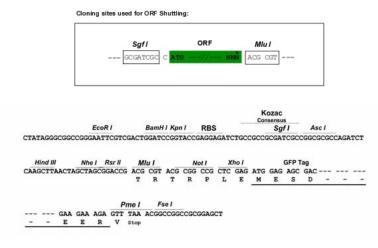
Product Type:	Expression Plasmids
Product Name:	NBL1 (NM_001204085) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NBL1
Synonyms:	D1S1733E; DAN; DAND1; NB; NO3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>>RG233380 representing NM_001204085 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGATGCTTCGGGTCCTGGTGGGGGCTGTCCTCCCTGCCATGCTACTGGCTGCCCACCACCACCATCAACA AGCTGGCACTGTTCCCAGATAAGAGTGCCTGGTGCGAAGCCAAGAACATCACCCAGATCGTGGGCCACAG CGGCTGTGAGGCCAAGTCCATCCAGAACAGGGCCGTGCCTAGGACAGTGCTTCAGCTACAGCGTCCCAAC ACCTTCCCACAGTCCACAGAGTCCCTGGTTCACTGTGACTCCTGCATGCCAGCCCAGGTCCATGTGGGAGA TTGTGACGCTGGAGTGCCCGGGCCACGAGGAGGTGCCCAGGGTGGACAAGCTGGTGGAGAAGATCCTGCA CTGTAGCTGCCAGGCCTGCGGCCACGAGGAGGCCTAGTCACGAGGGGCTGAGCGTCTATGTGCAGGGCGAGGAC GGGCCGGGATCCCAGCCCGGCACCACCCTCACCCCCATCCCCACCCCATCCTGGCGGCGAGACCCCTG AGCCCGAGGACCCCCCTGGGCCCCCCACACAGAGGAGGGGGCTGAGGAC ACGCCGAGGACCCCCCTGGGGCCCCCACACAGAGGAAGAGGGGGCTGAGGAC ACGCCTACGCGCCGCCCCCAGCCCCCCCCCC
Protein Sequence:	<pre>>RG233380 representing NM_001204085 Red=Cloning site Green=Tags(s)</pre>
	MMLRVLVGAVLPAMLLAAPPPINKLALFPDKSAWCEAKNITQIVGHSGCEAKSIQNRACLGQCFSYSVPN TFPQSTESLVHCDSCMPAQSMWEIVTLECPGHEEVPRVDKLVEKILHCSCQACGKEPSHEGLSVYVQGED GPGSQPGTHPHPHPHPPGGQTPEPEDPPGAPHTEEEGAED
	TRTRPLE - GFP Tag - V
Restriction Sites:	Sgfl-Mlul



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Cloning Scheme:

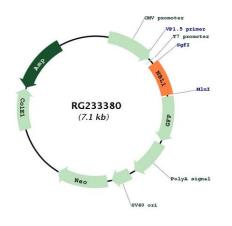


ACCNI	
ACCN:	NM_001204085
ORF Size:	543 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with 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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 001204085.1, NP 001191014.1</u>
RefSeq Size:	2069 bp
RefSeq ORF:	546 bp
Locus ID:	4681
UniProt ID:	<u>P41271</u>

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	NBL1 (NM_001204085) Human Tagged ORF Clone – RG233380
Cytogenetics:	1p36.13
Protein Families	: Secreted Protein
Gene Summary:	This gene product is the founding member of the evolutionarily conserved CAN (Cerberus and DAN) family of proteins, which contain a domain resembling the CTCK (C-terminal cystine knot-like) motif found in a number of signaling molecules. These proteins are secreted, and act as BMP (bone morphogenetic protein) antagonists by binding to BMPs and preventing them from interacting with their receptors. They may thus play an important role during growth and development. Alternatively spliced transcript variants have been identified for this gene. Read-through transcripts between this locus and the upstream mitochondrial inner membrane organizing system 1 gene (GeneID 440574) have been observed. [provided by RefSeq, May 2013]

Product images:



Circular map for RG233380

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