

Product datasheet for **MG223369**

Notch4 (NM_010929) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Notch4 (NM_010929) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Notch4
Synonyms:	Int-3; Int3; N4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223369 representing NM_010929 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

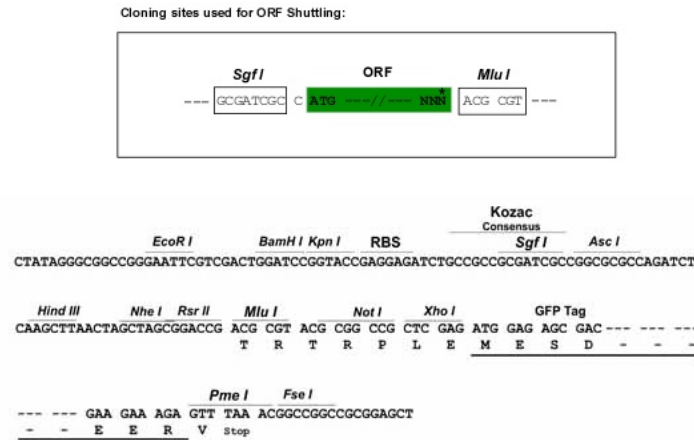
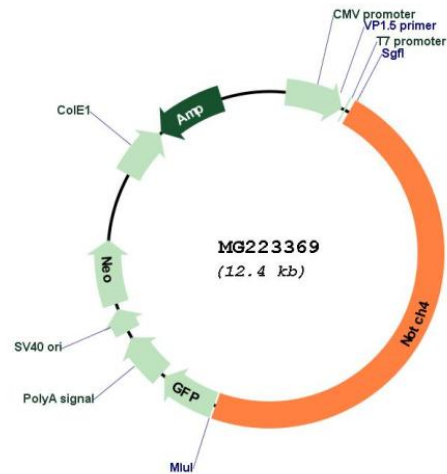
>MG223369 representing NM_010929
 Red=Cloning site Green=Tags(s)

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 TQEARAHARTTPGGGAAPRCRTL SAGARPRGGGACLQARTWSVDL GARGGKYYARCRSRSGSCGGPTTRG
 RRF SAGSRGRRGARASQDDWPRDWWVALEACGSACSAPIPPPSLTPSPERGSPQVAWGLPVHQEIPLNSV
 RNLN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Plasmid Map:

ACCN:

NM_010929

ORF Size:

5892 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. [More info](#)

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:	<ol style="list-style-type: none">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_010929.2 , NP_035059.2
RefSeq Size:	6604 bp
RefSeq ORF:	5895 bp
Locus ID:	18132
UniProt ID:	P31695
Cytogenetics:	17 18.15 cM
Gene Summary:	Functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with RBPJ/RBPSUH and activates genes of the enhancer of split locus. Affects the implementation of differentiation, proliferation and apoptotic programs (By similarity). May regulate branching morphogenesis in the developing vascular system.[UniProtKB/Swiss-Prot Function]