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Product datasheet for MG218125

Evc (NM_021292) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Evc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>MG218125 representing NM_021292
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCTGCACTAAAGATGCGCGGCTGCAGCTGGGCCGGGAAGCCCTGCAGGCGGCGCCGACGCTGCTGG
TCCCCGCGGTGCTACTGGGTGGCGTTCTCGGCCTAGGCCTTGGCTTGTGGCTTGGCTGTCGCGCGAGCCA
CTTGCGCGCACGGCTCCAGAAAGATGACAGGAAACGTCTGCTCGGGAGTTCAGAGCCCCCTGCACAGAGC
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ATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

>MG218125 representing NM_021292
Red=Cloning site Green=Tags(s)

MTCTKDARLQLGREALQAAPTLLVPAVLLGGVLGLGLGLWLGCRASHLRARLQKDDRKRLLGSSEPPAQS
LRDTGSQAKARRRQRETTRDEDAPEVCEPSLSGNITAFALKARVVYPINQKFRPLADGSSHPSLHENLTQ
AAAILPHLPHQPAEASPASSLGSLSQAGKEDGSSSSSMRSTYSDDRILQCAFLRVGSFPEILACESVDID
LCVCSLHLKDLLQVDTALRQEKHLMFIQILKACLLDFFPKKKPDDELCQKVLSKQEHDLEELEKGLQARL
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IVAEGLLHDSQDLHVLDTLERTMGRSHLARMVEFLRTQIQEETKCRLAAISRGLELLTVQGQLSGRQKEE
LLTQQHKAFWEEAERFGREFTQRGKDLVQASQARQAEAAAELTQTQEEERRSFLADSQLTSDPGEFLKAF
HEVLERQRLTRSDQEGDEDTRITEAMAALCQELYCSTMGTFQKFVDSLFLKTLPEVTSLPVAECETLRQQ
VQEQAARQLGQADRFRRRQWGLLCDLLEQDKRVWLEEGTLSTVLQRQLRDHHESTIHGVLSRFSGLSEES
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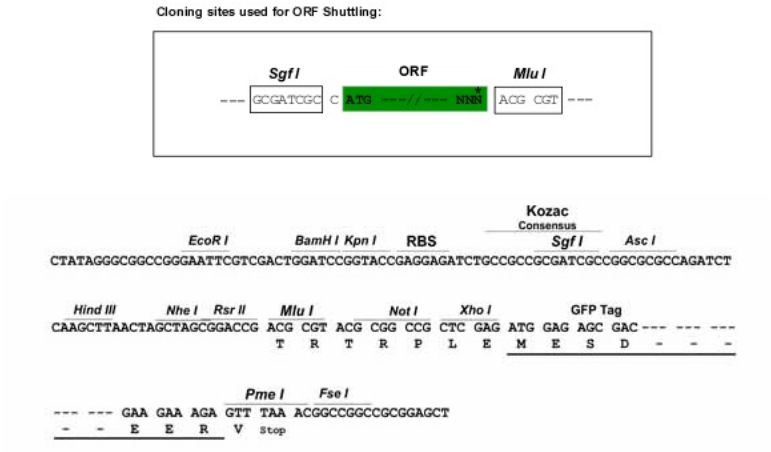
LVETVVESVYVTSTSVNRLVQAHYQAVGKLLQAHEEQLLQRLKTLQGERINAYKLWKKQEFSDPSLESQT
ADGTHGASQGVQQRMLSQQKRLLDQFTKHQQGRLNSQRQKAQELDQLQAQLETQLQEAEQTLISELSTLA
RVPLPENKPFSNKRGLPEKPVRTKRKKPPPREREDLGTPNDDHLALADHTTGPLSTTYSASPPIRVHSGG
RLDQQDSEAGDGESTSKILQKGSNL

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1326_f04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021292

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ORF Size:	3015 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_021292.2, NP_067267.2
RefSeq Size:	4317 bp
RefSeq ORF:	3018 bp
Locus ID:	59056
UniProt ID:	P57680
Cytogenetics:	5 B3
Gene Summary:	Component of the EvC complex that positively regulates ciliary Hedgehog (Hh) signaling (PubMed:17660199, PubMed:24582806). Involved in endochondral growth and skeletal development (PubMed:17660199).[UniProtKB/Swiss-Prot Function]

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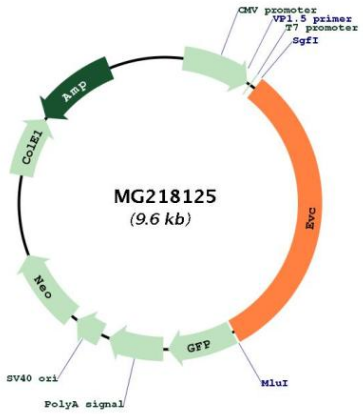
Product images:



Circular map for MG218125

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