

Product datasheet for **RC239135**

ENO4 (NM_001242699) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENO4 (NM_001242699) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ENO4
Synonyms:	C10orf134
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC239135 representing NM_001242699
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAAGAAGCGCGGCCGACAGTGTGGGACCACTAGGGAGCTGCAGAAGCTGAAGCAGCAGGCGA
 TGGAGTACTACCGGGAGAACGACGTTCCGCGCAGGCTGGAAGAGCTGCTCAACTCCACCTTCTACCTCCA
 GCCTGCCGACGTCTACGGGCACCTGGCAAAGTGTCTTTCTAAACTTGCAAAGCCTCCACCATATGCAAAA
 ATAGTGGGAAAGACGTACTAGATGGACTGGGGCTTCAACCCTGCAAGTGGACATATTCTGCACCATTC
 AAAACTTTCCCAAGAACGTATGTTCTGTGGTGTCTCGACTCATTTTGAAGTCCATGAGAATGCTCTGCC
 CGAGCTGGCCAAGGCGGAGGAGGAGAGGGCCAGCGCGGTGAGCACCGCCGTGCAGTGGGTCAACAGC
 ACCATCACGCACGAGCTCCAGGGGATGGCACCTCTGACCAGGCAGAGGTGGATCACCTACTCAGGATAT
 TCTTCGAAGTAAAGTACAAGAAGATAAGGGGAGAAAAGAATTGAAAAAGAGCCTGGAATACTCAACAGT
 GCCTACACCTCTACCTCCAGTACCACCACCACCCCTCCACCTCTACCAAAAAAGGGGCAAAAG
 CCAGGGAGGAAGGATACTATTACAGAGAAACCTATTGCGCCTGCAGAGCCTGTTGAGCCTGTACTCAGTG
 GCAGTATGGCCATAGGGGCCGTGTCACTAGCTGTTGCCAAAGCCTGTGCCATGCTGCTTAATAAACCTCT
 GTACTTAATATCGCTCTACTGAAGCACAATCAGGAACAGCCAACAACGCTATCTATGCCTTTGCTGATG
 GTATCGCTGGTCAGCTGTGGGAAGTCATCATCTGGGAAGCTAAATTTAATGAAAGAAGTGATTTGTATAC
 CCCATCCTGAATTAACAACCAACAAGGTGTGAGATGCTTATGGAAATGCAGAAACATATCAACAAAAT
 AATTGAAATGCCCTCTCCTCCAAAAGCAGAGACAAAAAGGGCAGCATGGAAGCAAAAGAGGTCAACAG
 CAGATCACTGGCAAGATGTCTCATCTTGGCTGTTTAAACCTAAGTGTGACTCCATAGAACAGCCACTGC
 TTCTAATACAGGAAATCTGTGCCAACCTGGGGCTAGAAGTGGGAACAAATCTGCATCTAGCTATCAACTG
 TGCTGGACATGAGCTGATGGACTACAATAAGGAAAGTATGAAGTGATCATGGGCACATACAAAAATGCA
 GCGGAGATGGTTGACCTGTATGTGGATCTGATCAACAAGTACCCTTCAATTATTGCCTTAATTGATCCTT
 TCAGGAAGGAGGACTCTGAACAGTGGGACAGCATCTATCACGCACTTGGTTCAGGTGTTACATAATTGC
 AGGAAGTCTTCCAAAAGCATTCTAACTTCTAGAGCAAGGAAACATCAGCATCCCCAAATCCAATGGG
 CTGATCATAAAACACACAAACCAAACTACAATGTCTGACTTGGTGGAAATAACCAATCTGATTGACAGTA
 AGAAGCACATCACTGTCTTTGGAAGTACAGAAGGAGAATCATCTGATGACAGCCTTGTGATTTGGCTGT
 TGGGCTTGGTGTCCGTTTCATCAAGTTGGGGGTCTTTCCCGTGGTGAACGAGTGACTAAATACAACCGC
 CTTCTCACTATAGAGGAAGAAGTGTCCAGAATGGAACACTGGGTTTCAAAGAAGAACACTTTTTTTT
 ACTTTAATGAGGAAGCTGAAAAGGCTGCGGAGGCACTTGAAGGCTGCTGCGGCTAGGGAGCCGCTGTTGCC
 CACCTTCCCCACACAAGGTGTAGAGGAATCAGCCGAAACAGGAGCATCCTCTGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239135 representing NM_001242699
 Red=Cloning site Green=Tags(s)

MEEEGGRSCGTTRELQKLKQAMEYYRENDVPRRLEELLNSTFYLPADVYGHLANCFSLAKPPTICK
 IVGKDVL DGLGLPTLQVDIFCTIQNFPKNVCSVISTHFEVHENALPELAKAEEAERASAVSTAVQWVNS
 TITHELQGMPSDQAEVDHLLRIFFASKVQEDKGRKELEKSLEYSTVPTPLPPVPPPPPPPPPTKKKGQK
 PGRKDTITEKPIAPAEPVEPVLSGSMAIGAVSLAVAKACAMLLNKPLYLNIALLKHNQEQTTL SMLLM
 VSLVSCGKSSSGKLNLMKEVICIPHEL TTKQGVEMLMEMQKHINKIEMPSPPKAETKKGHDGSKRGQQ
 QITGKMSHLGCLTINCDSIEQPLLLIQEICANLGLGLNLHLAINCAGHELMYNGKYEVIMGTYKNA
 AEMVDLYVDL INKYPISIALIDPFRKEDSEQWDSIYHALGSRCYIIAGTASKSISKLLEQGNISIPKSNG
 LIIKHTNQTTMSDLVEITNLIDSKKHITVFGSTEGESSDDSLVDLAVGLGVRFIKLGGLSRGERVTKYNR
 LLTIEELVQNGTLGFKEEHFFYFNEEAEKAAEALEAAAAREPLVPTFTQGVVEESAETGASSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242699

ORF Size: 1875 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.

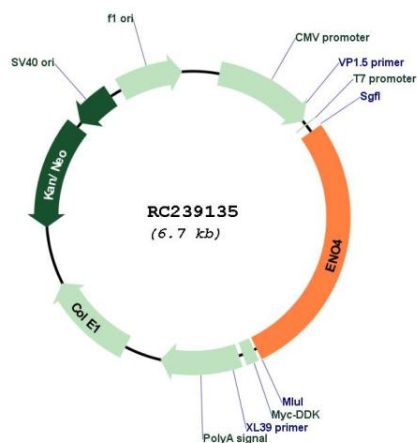
RefSeq: [NM_001242699.2](#)

RefSeq Size: 2865 bp

RefSeq ORF: 1878 bp

Locus ID: 387712
UniProt ID: [A6NNW6](#)
Cytogenetics: 10q25.3
MW: 68.9 kDa
Gene Summary: May be required for sperm motility and function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239135