

Product datasheet for **RC233178**

Estrogen induced gene 121 protein (KIAA1324) (NM_001267048) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Estrogen induced gene 121 protein (KIAA1324) (NM_001267048) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ELAPOR1
Synonyms:	EIG121; KIAA1324
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC233178 representing NM_001267048
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGAGCCTGGGCACAGCCACCATCTCTCCGCCAGAGTCAGGGGAAGAACTGAGAGGCGCATACCCC
 GGCTGTGGCGGCTGCTGCTCTGGGCTGGGACCGCCTTCCAGGTGACCCAGGGAACGGGACCGGAGCTTCA
 TGCTGCAAAGAGTCTGAGTACCACTATGAGTACACGGCGTGTGACAGCACGGGTTCAGGTGGAGGGTCC
 GCCGTGCCGATACCCCGGGCCTGTGCACCAGCCTGCCTGACCCCGTCAAGGGCACCGAGTCTCTTCT
 CCTGCAACGCCGGGAGTTTCTGGATAGAAGGACCAGTCATGTAAGCCATGCGCTGAGGGCCGCTACTC
 CCTCGGCACAGGCATTCCGGTTTGTGAGTGGGATGAGCTGCCCATGGCTTGGCCAGCCTCTCAGCCAAC
 ATGGAGCTGGATGACAGTGTGCTGAGTCCACCGGAACTGTACTTCGTCGAAGTGGGTTCCCGGGGGC
 ACTACATCGCCTCAACACGGACGAATGCACAGCCACTGATGTACGCCGTCAACCTGAAGCAATCTGG
 CACCGTTAACTTGAATACTACTATCCAGACTCCAGCATCATCTTGGAGTTTTCTGTTGAGATGACCAG
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 AGCTAAATCGAGGCAATAATGTCCTCTATTGGAGAACCACAGCCTTCTCAGTATGGACCAAAGTACCCAA
 GCCTGTGCTGACACAACCTCATGTACAAATGGGCCAAGCCGAAAATCTGTAGCGAGGACCTTGAGGGGGCA
 GTGAAGCTGCCTGCCTCTGGTGTGAAGACCCACTGCCACCCTGCAACCCAGGCTTCTTCAAACCAACA
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 CTGCTGGAGCCTCAGACAATGACTTTCATGATTCTCACTCTGGTTGTGCCAGGATTTAGACCTCCGAGC
 GGTGATGGCAGACACAGAGAATAAAGAGGTGGCCAGAATCACATTTGTCTTTGAGACCTCTGTTCTGTG
 AACTGTGAGCTCTACTTCATGGTGGGTGTGAATCTAGGACCAACACTCCTGTGGAGACGTGGAAGGTT
 CCAAAGGCAAACAGTCTATACCTACATCATTGAGGAGAACAACACTACCACGAGCTTACCTGGGCCTTCCA
 GAGGACCACTTTTCATGAGGCAAGCAGGAAGTACACCAATGACGTTGCCAAGATCTACTCCATCAATGTC
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 CCTGCACCTCTTGTCTGCTGGTACTATATTGACCGAGATTGAGAACCTGCCACTCCTGCCCACTAA
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 AACAGATCCACTCTCTGTGCTACAACGATTGCACCTTCTCACGCAACACTCCGACCAGGACTTTCAACT
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 ATACTTCCATCACTTTACCTCAGTCTCTGTGGAAACCAGGGTAGGAAAATGTCTGTGTGACCCGACAAT
 GTCACTGACCTCCGATTCTGAGGGTGTGAGTCAAGGTTCTCCAAATCTATCACAGCCTACGCTGCCAGG
 CAGTCATCATCCCCCAGAGGTGACAGGCTACAAGGCCGGGTTTCTCACAGCCTGTCAGCCTTGTGTA
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 AACGTGCTCGGATGGGACCTGTGATGGCTGCAACTTCCACTTCCCTGTGGGAGAGCGCGGCTGCTTGCCCG
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 TGTGGCGAGAACCAAGCTATGCTCTGGTGGCATTCTCTGCCTGAGCAGAGAGTACCATCTGCAAAAC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >RC233178 representing NM_001267048
 Red=Cloning site Green=Tags(s)

MAEPGSHHLSARVRGRTERIPRLWRLLLWAGTAFQVTQGTGPELHACKESEYHYEYACDSTGSRWRV
 AVPHTPGLCTSLPDPVKGTECSFSCNAGEFLDMKDQSCKPCAEGRYSLGTGIRFDEWDELPHGFASLSAN
 MELDDSAEAESTGCTSSKWWPRGDYIASNTDECTATLMYAVNLKQSGTVNFEYYPDSSIIFFVQNDQ
 CQPNADDSRWMKTTEKGEWFHVELNRGNVLYWRRTAFSVWTKVPKPVLTLQMYKWAKPKICSEDLEGA
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 NCELYFMVGVNSRTNTPVETWKGSGKQSYTYIIIEENTTTSTWAFQRTTFHEASRKYTNDVAKIYSINV
 TNVMNGVASYCRPCALEASDVGSSTSCPAGYIDRDSGTCHSCTNTILKAHQPYGVQACVPCGPGTKN
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 ESLGIPDVIFFYRSNDVTQSCSSGRSTTIRVRCSPQKTVPGLLLPGTCSGTCDCGNFHLWESAAACP
 LCSVADYHAIVSSCVAGIQKTTYVWREPKLCSGGISLPEQRTVICKTIDFWLKVGI SAGTCTAILLTVLT
 CYFWKKNQKLEYKYSKLYMNATLKDCDLPAAADSCAIMEGEDVEDDLIFTSKKSLFGKIKSFTSKRTPDGF
 DSVPLKTSSGGLDMDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

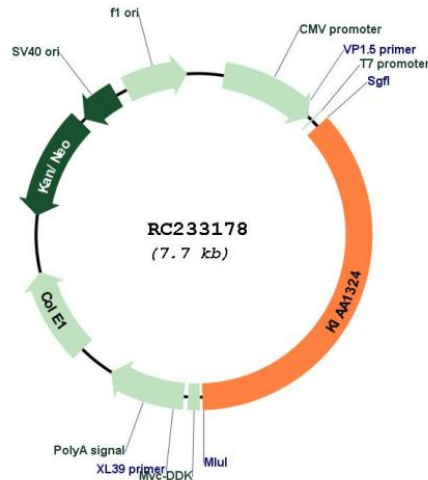
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001267048

ORF Size: 2778 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.

RefSeq: [NM_001267048.1](#), [NP_001253977.1](#)

RefSeq Size: 6793 bp

RefSeq ORF: 2781 bp

Locus ID: 57535

UniProt ID: [Q6UXG2](#)

Cytogenetics: 1p13.3

Protein Families: Transmembrane

MW: 102.4 kDa

Gene Summary: Expression of this gene is induced by estrogen and the encoded protein has been characterized as a transmembrane protein. The encoded protein has been found in to correlate with survival in certain carcinomas (PMID: 21102415) and may be important for cellular response to stress (PMID: 21072319). Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2012]