

Product datasheet for **SC337650**

Estrogen induced gene 121 protein (KIAA1324) (NM_001284352) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Estrogen induced gene 121 protein (KIAA1324) (NM_001284352) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ELAPOR1 |
| Synonyms: | EIG121; KIAA1324 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001284352, the custom clone sequence may differ by one or more nucleotides

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ATGAAGGACCAGTCATGTAAGCCATGCGCTGAGGGCCGCTACTCCCTCGGCACAGGCATTGCGTTTGATG
AGTGGGATGAGCTGCCCCATGGCTTTGCCAGCCTCTCAGCCAACATGGAGCTGGATGACAGTGCTGCTGA
GTCCACCGGGAAGTGTACTTCGTCCAAGTGGGTTCCCCGGGGCGACTACATCGCCTCCAACACGGACGAA
TGCACAGCCACACTGATGTACGCCGTCAACCTGAAGCAATCTGGCACCGTTAACTTCGAATACTACTATC
CAGACTCCAGCATCATCTTTGAGTTTTTCGTTTCAAGTACCAGTGCAGCCCAATGCAGATGACTCCAG
GTGGATGAAGACCACAGAGAAAGGATGGGAATTCACAGTGTGGAGCTAAATCGAGGCAATAATGTCCTC
TATTGGAGAACCACAGCCTTCTCAGTATGGACCAAAGTACCCAAGCCTGTGCTGGTGAGAAAATTGCCA
TAACAGGGGTGGCTACACTTCAGAATGCTTCCCCTGCAAACCTGGCACGTATGCAGACAAGCAGGGCTC
CTCTTTCTGCAAACCTTTGCCAGCCAACCTTATTCAAATAAAGGAGAAAATTCTTGCCACCAGTGTGAC
CCTGACAAATACTCAGAGAAAGGATCTTCTTCTGTAACTGCGCCAGCTTGCACAGACAAAGATTATT
TCTACACACACAGGCCCTGCGATGCCAACGGAGAGACACAACCTCATGTACAAATGGGCCAAGCCGAAAT
CTGTAGCGAGGACCTTGAGGGGGCAGTGAAGCTGCCTGCCTCTGGTGTGAAGACCCACTGCCACCCCTGC
AACCCAGGCTTCTTCAAACCAACAACAGCACCTGCCAGCCCTGCCCATATGGTTCTACTCCAATGGCT
CAGACTGTACCCGCTGCCTGCAGGGACTGAACCTGCTGTGGGATTTGAATACAAATGGTGGAAACAGCT
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GTGGCTGGTGATCACATTTACACAGCTGCTGGAGCCTCAGACAATGACTTCATGATTCTCACTCTGGTTG
TGCCAGGATTTAGACCTCCGAGTCGGTGTGGCAGACACAGAGAATAAAGAGGTGGCCAGAATCACATT
TGTCTTTGAGACCCTCTGTTCTGTGAAGTGTGAGCTCTACTTCATGGTGGGTGTGAATTCTAGGACCAAC
ACTCCTGTGGAGACGTGAAAGGTTCAAAGGCAAACAGTCTATACCTACATCATTGAGGAGAACCTA
CCACGAGCTTCACCTGGGCCTTCCAGAGGACCCTTTTTCATGAGGCAAGCAGGAAGTACACCAATGACGT
TGCCAAGATCTACTCCATCAATGTCACCAATGTTATGAATGGTGTGGCCTCCTACTGCCGTCCTGTGCC
CTAGAAGCCTCTGATGTGGGCTCCTCCTGCACCTCTTGTCTGCTGGTTACTATATTGACCGAGATTGAG
GAACCTGCCACTCCTGCCCCACTAACACAATTCTGAAAGCCCACCAGCCTTATGGTGTCCAGGCCTGTGT
GCCCTGTGGTCCAGGGACCAAGAACAACAAGATCCACTCTCTGTGCTACAACGATTGCACCTTCTCACGC
AACACTCCGACCAGGACTTTCACTACAACCTTCTCCGCTTTGGCAAACACTGTCCTCTTGTGGAGGGC
CAAGCTTCACTTCAAAGGGCTGAAATACTTCCATCACTTTACCCTCAGTCTCTGTGAAACCAGGGTAG
GAAAATGTCTGTGTGCACCGACAATGTCAGTACCTCCGATTCTGAGGGTGTGTCAGGGTTCTCCAAA
TCTATCACAGCCTACGTCTGCCAGGCAGTCATCATCCCCCAGAGGTGACAGGCTACAAGCCGGGGTTT
CCTCACAGCCTGTGAGCCTGCTGATCGACTTATTGGGGTGACAACAGATATGACTCTGGATGGAATCAC
CTCCCCAGCTGAACTTTTCCACCTGGAGTCTTGGGAATACCGGACGTGATCTTCTTTTATAGTCCAAT
GATGTGACCCAGTCTGCAGTCTGGGAGATCAACCACCATCCGCGTCAGGTGCAGTCCACAGAAAACCTG
TCCCTGGAAGTTTGCTGCTGCCAGGAACGTGCTCGGATGGGACCTGTGATGGCTGCAACTTCCACTTCT
GTGGGAGAGCGCGGCTGCTTGCCGCTCTGCTCAGTGGCTGACTACCATGCTATCGTCAGCAGCTGTGTG
GCTGGGATCCAGAAGACTACTTACGTGTGGCGAGAACCAAGCTATGCTCTGGTGGCATTCTCTGCCTG
AGCAGAGAGTACCATCTGCAAAACCATAGATTTCTGGCTGAAAGTGGGCATCTCTGCAGGCACCTGTAC
TGCCATCCTGCTCACCGTCTTGACCTGCTACTTTTGAAAAAAGAATCAAAAACCTAGAGTACAAGTACTCC
AAGCTGGTGTGATGATGCTACTCTCAAGGACTGTGACCTGCCAGCAGCTGACAGCTGCGCCATCATGGAAG
GCGAGGATGTAGAGGACGACCTCATCTTTACCAGCAAGAAGTCACTCTTTGGGAAGATCAATCATTTAC
CTCCAAGCAGCCAGCTCCTGTCACCATCTCTTTTCCAGAGGACTCTGA
    
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Restriction Sites: Sgfl-MluI
ACCN: NM_001284352

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| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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_001284352.1 , NP_001271281.1 |
| RefSeq Size: | 6964 bp |
| RefSeq ORF: | 2709 bp |
| Locus ID: | 57535 |
| Cytogenetics: | 1p13.3 |
| Protein Families: | Transmembrane |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (4) uses an alternate 5' exon structure and thus differs in the 5' UTR and 5' coding region, and also uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. These differences cause translation initiation at a downstream start codon and result in an isoform (4) with a shorter N-terminus and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |