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# Product datasheet for SC330749

## Estrogen induced gene 121 protein (KIAA1324) (NM_001267049) Human Untagged Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Estrogen induced gene 121 protein (KIAA1324) (NM_001267049) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | KIAA1324 |
| **Synonyms:** | EIG121; RP11-352P4.1 |
| **Vector:** | pCMV6-Entry (PS100001) |

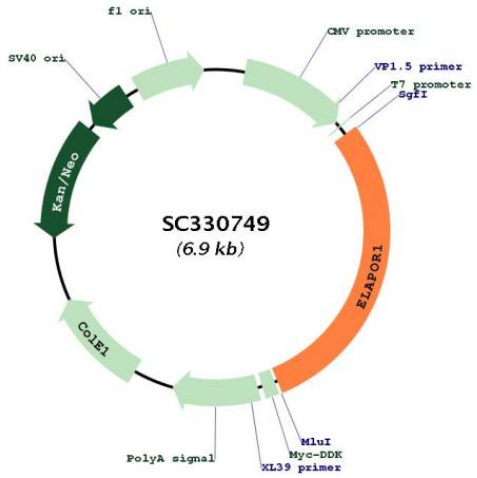
**Fully Sequenced ORF:**

>SC330749 representing NM_001267049.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTACAAATGGGCCAAGCCGAAAATCTGTAGCGAGGACCTTGAGGGGGCAGTGAAGCTGCCTGCCTCT
GGTGTGAAGACCCACTGCCCACCCTGCAACCCAGGCTTCTTCAAAACCAACAACAGCACCTGCCAGCCC
TGCCCATATGGTTCCTACTCCAATGGCTCAGACTGTACCCGCTGCCCTGCAGGGACTGAACCTGCTGTG
GGATTTGAATACAAATGGTGGAACACGCTGCCCACAAACATGGAAACGACCGTTCTCAGTGGGATCAAC
TTCGAGTACAAGGGCATGACAGGCTGGGAGGTGGCTGGTGATCACATTTACACAGCTGCTGGAGCCTCA
GACAATGACTTCATGATTCTCACTCTGGTTGTGCCAGGATTTAGACCTCCGCAGTCGGTGATGGCAGAC
ACAGAGAATAAAGAGGTGGCCAGAATCACATTTGTCTTTGAGACCCTCTGTTCTGTGAACTGTGAGCTC
TACTTCATGGTGGGTGTGAATTCTAGGACCAACACTCCTGTGGAGACGTGGAAAGGTTCCAAAGGCAAA
CAGTCCTATACCTACATCATTGAGGAGAACACTACCACGAGCTTCACCTGGGCCTTCCAGAGGACCACT
TTTCATGAGGCAAGCAGGAAGTACACCAATGACGTTGCCAAGATCTACTCCATCAATGTCACCAATGTT
ATGAATGGTGTGGCCTCCTACTGCCGTCCCTGTGCCCTAGAAGCCTCTGATGTGGGCTCCTCCTGCACC
TCTTGTCCTGCTGGTTACTATATTGACCGAGATTCAGGAACCTGCCACTCCTGCCCCACTAACACAATT
CTGAAAGCCCACCAGCCTTATGGTGTCCAGGCCTGTGTGCCCTGTGGTCCAGGGACCAAGAACAACAAG
ATCCACTCTCTGTGCTACAACGATTGCACCTTCTCACGCAACACTCCGACCAGGACTTTCAACTACAAC
TTCTCCGCTTTGGCAAACACTGTCACTCTTGCTGGAGGGCCAAGCTTCACTTCCAAAGGGCTGAAATAC
TTCCATCACTTTACCCTCAGTCTCTGTGGAAACCAGGGTAGGAAAATGTCTGTGTGCACCGACAATGTC
ACTGACCTCCGGATTCCTGAGGGTGAGTCAGGGTTCTCCAAATCTATCACAGCCTACGTCTGCCAGGCA
GTCATCATCCCCCCAGAGGTGACAGGCTACAAGGCCGGGGTTTCCTCACAGCCTGTCAGCCTTGCTGAT
CGACTTATTGGGGTGACAACAGATATGACTCTGGATGGAATCACCTCCCCAGCTGAACTTTTCCACCTG
GAGTCCTTGGGAATACCGGACGTGATCTTCTTTTATAGGTCCAATGATGTGACCCAGTCCTGCAGTTCT
GGGAGATCAACCACCATCCGCGTCAGGTGCAGTCCACAGAAAACTGTCCCTGGAAGTTTGCTGCTGCCA
GGAACGTGCTCGGATGGGACCTGTGATGGCTGCAACTTCCACTTCCTGTGGGAGAGCGCGGCTGCTTGC
CCGCTCTGCTCAGTGGCTGACTACCATGCTATCGTCAGCAGCTGTGTGGCTGGGATCCAGAAGACTACT
TACGTGTGGCGAGAACCCAAGCTATGCTCTGGTGGCATTTCTCTGCCTGAGCAGAGAGTCACCATCTGC
AAAACCATAGATTTCTGGCTGAAAGTGGGCATCTCTGCAGGCACCTGTACTGCCATCCTGCTCACCGTC
TTGACCTGCTACTTTTGGAAAAAGAATCAAAAACTAGAGTACAAGTACTCCAAGCTGGTGATGAATGCT
ACTCTCAAGGACTGTGACCTGCCAGCAGCTGACAGCTGCGCCATCATGGAAGGCGAGGATGTAGAGGAC
GACCTCATCTTTACCAGCAAGAAGTCACTCTTTGGGAAGATCAAATCATTTACCTCCAAGAGGACTCCT
GATGGATTTGACTCAGTGCCGCTGAAGACATCCTCAGGAGGCCTAGACATGGACCTGTGA

**Restriction Sites:** SgfI-MluI

Plasmid Map:

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|---|---|
| **ACCN:** | NM_001267049 |
| **Insert Size:** | 1992 bp |
| **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:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001267049.1 |
| **RefSeq Size:** | 5990 bp |
| **RefSeq ORF:** | 1992 bp |
| **Locus ID:** | 57535 |
| **Cytogenetics:** | 1p13.3 |
| **Protein Families:** | Transmembrane |
| **MW:** | 72.3 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]
Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream AUG compared to variant 1. The resulting protein (isoform 3) is shorter and has a distinct N-terminus compared to isoform 1.