

Product datasheet for **SC337183**

Estrogen induced gene 121 protein (KIAA1324) (NM_001284353) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Estrogen induced gene 121 protein (KIAA1324) (NM_001284353) 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_001284353, the custom clone sequence may differ by one or more nucleotides

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ATGTTTCATTCTCTGAGACACCAGACACAACCTCATGTACAAATGGGCCAAGCCGAAAATCTGTAGCG
AGGACCTTGAGGGGGCAGTGAAGCTGCCTGCCTCTGGTGTGAAGACCCACTGCCACCCTGCAACCCAGG
CTTCTTCAAACCAACAACAGCACCTGCCAGCCCTGCCATATGGTTCTACTCCAATGGCTCAGACTGT
ACCCGCTGCCCTGCAGGGACTGAACCTGCTGTGGGATTTGAATACAAATGGTGGAACACGCTGCCACAA
ACATGGAACGACCGTTCTCAGTGGGATCAACTTCGAGTACAAGGCATGACAGGCTGGGAGGTGGCTGG
TGATCACATTTACACAGCTGCTGGAGCCTCAGACAATGACTTCATGATTCTCACTCTGGTTGTGCCAGGA
TTAGACCTCCGCAGTCGGTGTGGCAGACACAGAGAATAAAGAGGTGGCCAGAATCACATTTGTCTTTG
AGACCCTCTGTTCTGTGAACTGTGAGCTCTACTTCATGGTGGGTGTGAATTCTAGGACCAACACTCCTGT
GGAGACGTGGAAGGTTCCAAGGCAAACAGTCTATACCTACATCATTGAGGAGAACACTACCACGAGC
TTCACCTGGGCCCTCCAGAGGACCCTTTTCATGAGGCAAGCAGGAAGTACACCAATGACGTTGCCAAGA
TCTACTCCATCAATGTCACCAATGTTATGAATGGTGTGGCCTCCTACTGCCGTCCTGTGCCCTAGAAGC
CTCTGATGTGGGCTCCTCCTGCACCTCTTGTCTGCTGTTACTATATTGACCGAGATTCAGGAACCTGC
CACTCCTGCCCCACTAACACAATTCTGAAAGCCCACCAGCCTTATGGTGTCCAGGCTGTGTGCCCTGTG
GTCCAGGGACCAAGAACAACAGATCCACTCTCTGTGCTACAACGATTGCACCTTCTCACGCAACACTCC
GACCAGGACTTTCAACTACAACCTTCTCCGCTTTGGCAAACACTGTCACTCTTGTGGAGGGCCAAGCTTC
ACTTCAAAGGGCTGAAATACTTCCATCACTTTACCCTCAGTCTCTGTGGAACCCAGGGTAGGAAAATGT
CTGTGTGACCCGACAATGTCACCTGACCTCCGGATTCCTGAGGGTGAGTCAGGGTTCTCCAATCTATCAC
AGCCTACGTCTGCCAGGCAGTCATCATCCCCCAGAGGTGACAGGCTACAAGCCGGGGTTTCTCACAG
CCTGTACGCCTTGCTGATCGACTTATTGGGGTGACAACAGATATGACTCTGGATGGAATCACCTCCCCAG
CTGAACTTTTCCACCTGGAGTCCTTGGGAATACCGGACGTGATCTTCTTTTATAGGTCCAATGATGTGAC
CCAGTCTGCAGTCTGAGGAGATCAACCACCATCCGCGTCAGGTGCAGTCCACAGAAAATGTCCCTGGA
AGTTTGTCTGCTGCCAGGAACGTGCTCGGATGGGACCTGTGATGGCTGCAACTTCCACTTCTGTGGGAGA
GCGCGGCTGCTTCCCGCTCTGCTCAGTGGCTGACTACCATGCTATCGTCAGCAGCTGTGTGGCTGGGAT
CCAGAAGACTACTTACGTGTGGCAGAACCAAGCTATGCTCTGGTGGCATTCTCTGCCTGAGCAGAGA
GTCACCATCTGCAAAACCATAGATTTCTGGCTGAAAGTGGGCATCTCTGCAGGCACCTGTACTGCCATCC
TGCTCACCGTCTTGACCTGCTACTTTTGGAAAAAGAATCAAAAAGTACTCAAGTACTCAAGCTGGT
GATGAATGCTACTCTCAAGGACTGTGACCTGCCAGCAGCTGACAGCTGCGCCATCATGGAAGGCGAGGAT
GTAGAGGACGACCTCATCTTTACCAGCAAGAAGTCACTCTTTGGGAAGATCAAATCATTTACCTCCAAGA
GGACTCCTGATGGATTTGACTCAGTGCCGCTGAAGACATCCTCAGGAGGCTAGACATGGACCTGTGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001284353

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.
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_001284353.1](#), [NP_001271282.1](#)

RefSeq Size: 6914 bp

RefSeq ORF: 2028 bp

Locus ID: 57535

Cytogenetics: 1p13.3

Protein Families: Transmembrane

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 (5) represents use of an alternate promoter, and thus differs in the 5' UTR and 5' coding region. These differences cause translation initiation at an alternate start codon and result in an isoform (5) with a shorter and distinct N-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.