

Product datasheet for **SC330459**

ENC1 (NM_001256576) Human Untagged Clone

Product data:

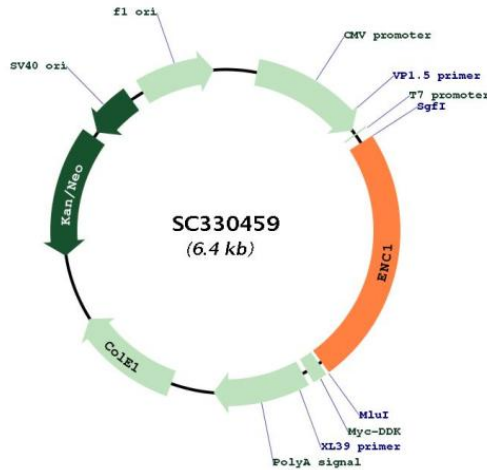
Product Type: Expression Plasmids
Product Name: ENC1 (NM_001256576) Human Untagged Clone
Tag: Tag Free
Symbol: ENC1
Synonyms: CCL28; ENC-1; KLHL35; KLHL37; NRPB; PIG10; TP53I10
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330459 representing NM_001256576.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTTTCAGTGGTGGCCTGAAAGAGAGCCAGGACAGTGGAGTCAACTTTGACAATCCATCCACCCAGAA
GTCTTGGAGTGTGCTGACTATGCGTACTCCTCCCGGGTCATCATCAATGAAGAAAATGCAGAATCG
CTCCTGGAAGCTGGTGCATGCTGGAGTTTCAAGACATCCGGGATGCATGTGCAGAGTTCCTGGAAAAG
AACCTGCATCCCACCAACTGCCTGGGCATGCTGCTGTCTGATGCACACCAGTGCACCAAGCTGTAC
GAACTATCTTGGAGAATGTGCTCAGCAACTTCCAAACCATCAGGAAGAATGAAGATTTCTCCAGCTG
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GGTGTGGTAACCAGCCTCTGTGCCGACCTCGGAAAAGTGGCCATGCCCTCTTCTTCTGGGAGGACAG
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CCCATGCTGGTGGCCAGTTTGGCCATGGCTCTGCTGAACTGAAGCACTGCCTGTATGTGGTTGGGGGG
CACACGGCCGCAACTGGCTGCCTCCCGGCTCCCCCTCAGTCTCTCTAAAGCAGGTAGAACATTATGAC
CCCACAATCAACAAATGGACCATGGTGGCCCACTCCGAGAAGGCGTTAGCAACGCCGAGTAGTGAGT
GCCAAACTTAAGTTATTTGCTTTCGGAGGTACCAGTGTGAGTGTGACAAGCTCCCAAAGTTTCAAGTGT
TACGATCAGTGTGAAAACAGGTGGACTGTACGGCCACCTGTCCCAGCCCTGGCGTTACACAGCAGCA
GCTGTGCTGGGAACCAGATTTTATTATGGGGGGTGATACAGAATCTCTGCCTGCTCTGCTTATAAA
TTCAACAGTGTGACTTACCAGTGGACCAAGGTGGGAGATGTGACAGCAAAGCGCATGAGCTGCCATGCT
GTGGCCTCTGAAAACAACTCTACGTGGTTGGAGGATACTTTGGCATTACGGATGCAAGACTTTGGAC
TGCTACGATCCAACATTAGACGTGTGGAACAGCATCACCCTGTCCCGTACTCGTGATTCTACTGCA
TTTGTGACACCTGGAACATCTGCCTTCTAA
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001256576

Insert Size: 1551 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.
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_001256576.1](#)

RefSeq Size: 5384 bp

RefSeq ORF: 1551 bp

Locus ID: 8507

UniProt ID: [O14682](#)

Cytogenetics: 5q13.3

Protein Families:	Druggable Genome
MW:	57.9 kDa
Gene Summary:	<p>This gene encodes a member of the kelch-related family of actin-binding proteins. The encoded protein plays a role in the oxidative stress response as a regulator of the transcription factor Nrf2, and expression of this gene may play a role in malignant transformation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (4) uses an alternate splice site, lacks a portion of the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter 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.</p>