

Product datasheet for **SC320232**

ENC1 (NM_003633) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENC1 (NM_003633) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENC1
Synonyms:	CCL28; ENC-1; KLHL35; KLHL37; NRPB; PIG10; TP53I10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003633.1
 CCGCGGTGGCGCTGCGGAGACCCGGTCCAGACGCTGGCGGCCGCCGGCACACAAGGCGC
 TTTCTAGCTCCCTCCCCGAGCGCACAGCCCGCTCCTCCGCGGCGCCTGCAGTGGCAG
 GCTTGCTGCCCCACCGTGACGCGCTCCGGAGACGCTCTGCGGGTCTGGACACCGGT
 CCGCGCGTGGGACGACAGACGGAGGCCAATCGGTAGCCGGTCCGCGAGCCATC
 GTTCGGGGCAGTCTCTCCCCGGTGGCCCTCCTTTCTCCGGGCATTCCGCCACCGCT
 TCCCTGGGCTGAGACACCGGTTCTGCGCTCCTTGCCCGTGACCGTCCGCTAGAAGTCA
 TTGTGCGTTGCGCCAGTCGCCACTGCTGAGTGGAAACAAAATGTCAGTCAAGTGCATG
 AGAACCGCAAGTCCAGGGCCAGCAGCGGCTCCATTAACATCTATCTGTTTCACAAGTCT
 CCTACGCTGACAGCGTCCACTCACCTGAATCTTTACGCCAGCAGCGTCTTCACTG
 ACGTCTTCTCCATGCCGAAATAGGACCTTCCCTTGCCACCGGGCAGTGTGGTGCAT
 GCAGTCGCTACTTTGAGGCCATGTTCAAGTGGTGGCCTGAAAGAGAGCCAGGACAGT
 TCAACTTTGACAATCCATCCACCCAGAAGTCTTGAGAGTGTGCTTACTGATGCGTACT
 CCTCCCGGTTCATCAATGAAGAAAATGCAGAATCGTCTGGAAGCTGGTGCATGC
 TGGAGTTTCAAGACATCCGGGATGCATGTGCAGAGTTCCTGAAAAGAACCTGCATCCCA
 CCAACTGCCTGGGCATGTGCTGTCTGATGCACACAGTGCACCAAGCTGTACGAAC
 TATCTTGAGAATGTGTCTCAGCAACTTCAAACCATCAGGAAGAATGAAGATTTCTCC
 AGCTGCCCCAGGACATGGTAGTCAACTTTGTCCAGTGAAGAGCTGGAGACAGAGGATG
 AAAGGCTTGTGTACGAGTCTGCAATTAAGTGGATCAGTATGACCTGAAGAAGCGCTATT
 GCTACCTCCCAGAACTGTTGCAGACAGTAAGGCTGGCACTTCTGCCAGCCATCTATCTCA
 TGGAGAATGTGGCCATGGAGAACTCATCAAGCAGAGAAAGAGTAAGGAAATGTGG
 AAGAGGCCATCAGGTGCAAACTGAAAATCCTGCAGAATGACGGTGTGGTAACAGCCTCT
 GTGCCCGACCTCGGAAAAGTGGCCATGCCCTTCTCCTTCTGGGAGGACAGACTTTTCA
 GTGACAAGTTGTATCTGGTAGACCAGAAGGCCAAAGAAAATCATTCCCAAGGCTGACATTC
 CCAGCCCAAGAAAAGAGTTTGTGATGTGCGATTGGCTGCAAAGTGTACATTACTGGGG
 GGCGGGGGTCTGAAAATGGGGTCTCAAAGATGTCTGGGTTTATGATACCCTGCACGAGG
 AGTGGTCCAAGGCTGCCCCATGCTGGTGGCCAGGTTTGGCCATGGCTCTGCTGAACTGA
 AGCACTGCCTGTATGTGGTTGGGGGACACGGCCGCAACTGGCTGCCTCCCGCCTCCC
 CCTCAGTCTCTAAAGCAGGTAGAATATGACCCACAATCAACAAATGGACCATGG
 TGGCCCCACTCCGAGAAGCGTTAGCAACGCCGAGTAGTGAGTGCCAAACTTAAGTTAT
 TTGCTTTTCGGAGTACCAGTGTGATGATGACAAGCTCCCAAGTTCAAGTGTACGATC
 AGTGTGAAAACAGGTGGACTGTACCGGCCACTGTCCCAAGCCCTGGCGTTACACAGCAG
 CAGCTGTGCTGGGGAACAGATTTTATTATGGGGGTGATACAGAATTCTCTGCCTGCT
 CTGCTTATAAATCAACAGTGAAGTACCAGTGGACCAAGGTGGGAGATGTGACAGCAA
 AGCGCATGAGCTGCCATGCTGTGGCCTCTGAAACAACTCTACGTGGTTGGAGGATACT
 TTGGCATTGAGGATGCAAGACTTTGGACTGCTACGATCAACATTAGACGTGTGGAACA
 GCATCACCCTGTCCTGACTCGCTGATTCCTACTGATTTGTGACACCTGGAAACATC
 TGCTTTCTAAATGCAGTACATTCTAAAGAGAGTGAAGCATGAGCTCACTCCATCACTCGA
 TGAGATAATATGAGATTTCTACTTCGGAGAGGCCAAGTCTAATGAAGAGAAAAA
 AAAAAA

Restriction Sites: Please inquire

ACCN: NM_003633

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_003633.1 , NP_003624.1
RefSeq Size:	4827 bp
RefSeq ORF:	1770 bp
Locus ID:	8507
UniProt ID:	O14682
Cytogenetics:	5q13.3
Domains:	BTB, Kelch
Protein Families:	Druggable Genome
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 (1) represents the most abundant transcript. Variants 1, 2, and 3 encode the same 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>