

Product datasheet for **SC324644**

KEAP1 (NM_203500) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KEAP1 (NM_203500) Human Untagged Clone
Tag:	Tag Free
Symbol:	KEAP1
Synonyms:	INrf2; KLHL19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_203500.1
 GAGTGCCAGAGGTGGTGGTGTGCTTATCTTCTGGAACCCCATGCAGCCAGATCCCAGGC
 CTAGCGGGGCTGGGGCCTGCTGCCGATTCTGCCCTGCAGTCACAGTGCCTGAGGGGG
 CAGGGGACGCGGTGATGTACGCCTCCACTGAGTGAAGGCGGAGGTGACGCCCTCCCAGC
 ATGGCAACCGCACCTTACGTACACCCTGGAGGATCATACCAAGCAGGCCTTTGGCATCA
 TGAACGAGCTGCGGCTCAGCCAGCAGCTGTGTACGTACAGTGCAGGTCAAGTACCAGG
 ATGCACCGGCCCGCCAGTTCATGGCCCAAGGTGGTGGTCTCATCCAGCCCTGTCT
 TCAAGGCCATGTTACCAACGGGCTGCGGGAGCAGGGCATGGAGGTGGTGTCCATTGAGG
 GTATCCACCCCAAGTGCATGGAGCGCTCATTGAATTCGCCTACACGGCCTCCATCTCCA
 TGGGCGAGAAGTGTGCTCCACGTGCATGAACGGTGTGTGTGTACCAGATCGACAGCG
 TTGTCCGTGCCTGCAGTGACTTCTGGTGCAGCAGCTGGACCCAGCAATGCCATCGGCA
 TCGCCAACTTCGCTGAGCAGATTGGCTGTGTGGAGTTCACCAGCGTGCCCGGGAGTACA
 TCTACATGCATTTGGGGAGGTGGCCAAGCAAGAGGAGTCTTCAACCTGTCCCCTGCC
 AACTGGTGACCCTCATCAGCCGGGACGACCTGAACGTGCGCTGCGAGTCCGAGGTCTTCC
 ACGCCTGCATCAACTGGGTCAAGTACGACTGCGAACAGCGACGGTCTACGTCCAGGCGC
 TGCTGCGGGCCGTGCGCTGCCACTCGTTGACGCGGAACCTCTGCAGATGCAGCTGCAGA
 AGTGCGAGATCCTGCAGTCCGACTCCCGCTGCAAGGACTACCTGGTCAAGATCTTCGAGG
 AGCTCACCTGCACAAGCCCACGCAGGTGATGCCCTGCCGGGCGCCCAAGGTGGGCCGCC
 TGATCTACACCGCGGGCGGCTACTTCCGACAGTCGCTCAGTACCTGGAGGCTTACAACC
 CCAGTGACGGCACCTGGCTCCGTTGGCGGACCTGCAGGTGCCGCGGAGCGGCCTGGCCG
 GCTGCGTGGTGGGCGGCTGTTGACGCCGTGGCGGCAGGAACAACCTGCCCGACGGCA
 ACACCGACTCCAGCGCCCTGGACTGTTACAACCCCATGACCAATCAGTGGTCGCCCTGCC
 CCCCCATGAGCGTGCCCGTAACCGCATCGGGTGGGGTGCATCGATGGCCACATCATG
 CCGTCGGCGGCTCCACGCTGCATCCACCAACAGTGTGGAGAGGTATGAGCCAGAGC
 GGGATGAGTGGCACTTGGTGGCCCAATGCTGACACGAAGGATCGGGGTGGCGTGGCTG
 TCCTCAATCGTCTCCTTATGCCGTGGGGGCTTTGACGGGACAAACCGCCTTAATTCAG
 CTGAGTGTACTACCCAGAGAGGAACGAGTGGCGAATGATCACAGCAATGAACACCATCC
 GAAGCGGGGACAGGCGTCTGCGTCTGCACAAGTATCTATGCTGCTGGGGGCTATGATG
 GTCAGGACCAGCTGAACAGCGTGGAGCGCTACGATGTGAAACAGAGACGTGGACTTTCCG
 TAGCCCCATGAAGCACCGGCGAAGTGCCTGGGGATCACTGTCCACCAGGGGAGATCT
 ACGTCCTTGGAGGCTATGATGGTACACGTTCTGGACAGTGTGGAGTGTACGACCCAG
 ATACAGACACCTGGAGCGAGGTGACCCGAATGACATCGGGCCGGAGTGGGGTGGCGTGG
 CTGTACCATGGAGCCCTGCCGGAAGCAGATTGACCAGCAGAAGTGTACCTGTTGAGGCA
 CTTTTGTTTTTGGGCAAAAATACAGTCCAATGGGGAGTATCATTGTTTTGTACAAAAA
 CCGGGACTAAAAGAAAAGACAGCACTGCAATAAACCCTCTTCCGGGAAGGGAGGCCAGG
 ATGCCTCAGTGTAAAATGACATCTCAAAAAGAGTCCAAAGCGGGGATCATGTGCCCTC
 AGCGGAGCCCCGGGAGTGTCCAAGACAGCCTGGCTGGGAAAGGGGGTGTGGAAAGAGCAG
 GCTTCCAGGAGAGAGGCCCCCAACCCTCTGGCCGGTAATAGGCTGGTCCCCTCAC
 CCATGCCGCGAGCTGTACCATGTGATTTATTCTTGGATACCTGGGAGGGGGCCAATGGG
 GGCTCAGGGGGAGGCCCTCTGGAAATGTGGTCCAGGGATGGGCTGTACATAGAA
 GCCACCGGATGGCACTTCCACCGGATGGACAGTATTTTGTGATAAGTAACCCTGTA
 ATTTTCCAAGGAAAAATAAGAACAGACTAACTAGTGTCTTCCACCTGAAAAAAAAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_203500

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_203500.1 , NP_987096.1
RefSeq Size:	2606 bp
RefSeq ORF:	1875 bp
Locus ID:	9817
UniProt ID:	Q14145
Cytogenetics:	19p13.2
Protein Families:	Transcription Factors
Protein Pathways:	Ubiquitin mediated proteolysis
Gene Summary:	<p>This gene encodes a protein containing KELCH-1 like domains, as well as a BTB/POZ domain. Kelch-like ECH-associated protein 1 interacts with NF-E2-related factor 2 in a redox-sensitive manner and the dissociation of the proteins in the cytoplasm is followed by transportation of NF-E2-related factor 2 to the nucleus. This interaction results in the expression of the catalytic subunit of gamma-glutamylcysteine synthetase. Two alternatively spliced transcript variants encoding the same isoform have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript.</p>