

Product datasheet for **SC111946**

KEAP1 (NM_012289) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KEAP1 (NM_012289) Human Untagged Clone
Tag:	Tag Free
Symbol:	KEAP1
Synonyms:	INrf2; KLHL19
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_012289 unedited GCACGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAT TAGTCTGTTCTTTATTTTCTTGAAAATTACAGGGTTACTTATCAACAAAATAACTGTC CCTCCGGGGGGGAAGTCCCATCCGGTGGCTTCTATGTACAGGCCCATCCCTGGGAACCAC ATTTCCAAAGAGGGGCCTCCCCCTGAGGCCCCATTGGCCCCCTCCAGGTATCCAAGAA TAAATCACATGGTGACAGCTGCCGGCATGGGTGAGTGGGACCAAGCCTATTACCCGGCC AGAGGGTTTGGGGCCTCTCCTGGAAGCCTGCTCTTTCCACACCCCTTTCCAGCCA GGCTGTCTTGACACTCCCGGGCTCCGCTGAGGGGCACATGATCCCGCTTTGGACTTC TTTTGAGATGTCATTTTAACACTGAGGCATCCTGGCCTCCCTCCCGAAAATGGGTTAT TTGAGAGCTGGCTTTTCTTTAATCCCGTTTTTGTACAAAACAATGATACTCCCAT TGGACTGTATTTTGCCTAAAAACAAGTGCCTCAACAGGTACAGTTCTGCTGGGCAA TCTGTTCCCGGAGGGCTCCATGGTGACAGCCACCCCACTCCCGCCCGATGGC TTTCCGGTCACTCGCCCAAGTGGCTTGATTCTGGGCCGAACCTCCACTGGTCCGG AACCTGTGACCCTTTAGCCCAAGGCCTAAATCTCCCTGGGGCAAGGATCCCAAG CCCTTTCCGGGCCTTTGGGGCCTCCAACTCCCGTCTCTTTCCACACAAACGCCCCCC TGTACCCGGGCCCGCCCATCCCCCCCCCTAATACCCCGGACAGACCAACCCCTCC CCTTCCGGAGGGCCCTGCTCTACCCCGCACCCCCCTTTGGGGTAGAACCCACGAAT ACGCCGTCGCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_012289
Insert Size:	2600 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:	<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:	<u>NM_012289.3, NP_036421.2</u>
RefSeq Size:	2577 bp
RefSeq ORF:	1875 bp
Locus ID:	9817
UniProt ID:	<u>Q14145</u>
Cytogenetics:	19p13.2
Domains:	BTB, Kelch

Protein Families: Transcription Factors

Protein Pathways: Ubiquitin mediated proteolysis

Gene Summary: 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]
Transcript Variant: This variant (2) has an alternate 5' UTR, as compared to variant 1.